

ERIC Document Resume		See Instruction Sheet		DATE OF RESUME 6/17/65		DATE RECEIVED	
A. PUBLICATION DATA							
1. ERIC NUMBER ED0000060		2. ORIGINATOR CONTROL NO(S) 7398		3. IDENTIFICATION NO. N.A.		DO NOT WRITE IN SPACE BELOW	
4. AUTHOR(S): Schwehr, Frederick E., Director Joint Staff Study XXXIII, Part III						MICROFILM COPY AVAILABLE YES ☒ NO ☐	
5. TITLE OF DOCUMENT ABSTRACTED A Survey of Physical Facilities at Wisconsin State Colleges and University of Wisconsin, Fall 1958. Utilization of Assignable and Non-Assignable Areas Other Than Classrooms and Laboratories						COPYRIGHT GRANTED YES ☐ NO ☒	
6. PUBLICATION TITLE: N.A.						COPYRIGHT RELEASE FILED YES ☐ NO ☐	
7. EDITOR(S): N.A.				8. PLACE OF ORIGIN JSCCHE		TYPE OF REPORT PROPOSAL ☐ IN-PROGRESS ☐ FINAL ☒ FOLLOW-UP ☐	
9. PUBLISHER OR SOURCE Wisconsin: Joint Staff Coordinating Comm. for Higher Education				ORG. Rm. 333 Wis. ST. Center CITY: 702 Langdon St. TELE. Madison, Wis. INST/LOC CODE		OTHER ERIC REFERENCES:	
10. VOL. N.A.	11. PAGES N.A.	12. MO./YR. 60	13. TOTAL PP. 65	ERIC SATELLITE CODE			
B. INDEXING DATA							
14. SUBJECT AREA				15. TYPE OF ENDEAVOR survey			
16. INDEXING TERMS (8-12)							
surveys		libraries		physical edu.			
plugs. & equip.		research					
administration		extension edu.					
17. ABSTRACT (MAX. 250 WORDS)							
This study of the utilization of assignable and non-assignable areas other than classrooms and laboratories covers an analysis of active instructional area such as offices, libraries, and auditoriums, and of active non-instructional space such as research, extension and public service, physical education, laboratory schools, auxiliary enterprises, and physical plant. Part I of this study is listed under item 7120 in <i>Report</i>, No. 4.							
ERIC No.							
18. SOURCE OF ABSTRACT							
C. FUNDING DATA							
19. SUPPORTING ORGANIZATION				20. DIVISION OR DEPT.		21. CONTRACT NO.	
				22. TOTAL COST OF PROJECT		PROJECT NO.	
				23. DURATION OR PROJECT		U.S. Department of Health, Education, and Welfare Office of Education	

5-8 # 7398

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Joint Staff Study XXXIII

HE 7398

Part II

June 1960

U. S. DEPARTMENT OF HEALTH, EDUCATION AND WELFARE
Office of Education

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**A SURVEY OF PHYSICAL
FACILITIES AT WISCONSIN
STATE COLLEGES AND
UNIVERSITY OF WISCONSIN
FALL 1958**

Utilization of Assignable and Non-Assignable Areas

Other than Classrooms and Laboratories

Prepared for The Coordinating Committee
for Higher Education

by the Joint Staff

ED 000060

PART II

THE UTILIZATION OF ASSIGNABLE AND NON-ASSIGNABLE AREAS
OTHER THAN CLASSROOMS AND LABORATORIES

Fall, 1958

A Joint Staff Study
Directed By
Frederick E. Schwehr

THE UTILIZATION OF ASSIGNABLE AND NON-ASSIGNABLE AREAS OTHER
THAN CLASSROOMS AND LABORATORIES AT WISCONSIN STATE COLLEGES
AND THE UNIVERSITY OF WISCONSIN, FALL 1958

INTRODUCTION

Part I of the physical facilities survey, based on the fall semester 1958, is an analysis of the classroom and laboratory space at Wisconsin's institutions of higher education. This section, Part II, deals with the utilization of additional assignable and non-assignable space. The assignable area is divided into two parts, namely: Active instructional and Active non-instructional areas.

The classification of Active instructional area includes: Offices, Libraries, Auditoriums and other active instructional space.

The analysis of Active non-instructional space encompasses: Research, Extension and Public Service, Physical Education, Laboratory Schools, Auxiliary Enterprises, Physical Plant and other active non-instructional space.

In addition, this section contains summaries of the total cubage, gross, net and assignable areas of the existing facilities at each of the Wisconsin State Colleges and the University of Wisconsin, Madison and Milwaukee. Also included is a breakdown of the various functional areas at each institution.

TABLE OF CONTENTS FOR JOINT STAFF STUDY XXXIII

PART I CLASSROOMS AND LABORATORY UTILIZATIONS

This section includes an introduction to the entire Physical Facilities Study, Enrollment Trends from 1956 and 1958, and analysis of Classroom and Laboratory Utilization. The Classroom and Laboratory sections are further defined by an institutional analysis of utilization, analysis by number of students accommodated per room, breakdown by distribution of scheduled periods during the day, and a comparison of classroom and laboratory utilization, Fall 1956 and 1958.

PART II UTILIZATION OF ASSIGNABLE AND NONASSIGNABLE AREAS OTHER THAN CLASSROOMS AND LABORATORIES

Active instructional area included in this section are: Office Space, Libraries, Auditoriums, and Other Instructional Space. Active non-instructional areas include: Research, Extension and Public Service, Physical Education, Laboratory Schools, Auxiliary Enterprises, Physical Plant, and Other active non-instructional space. Further summaries include Inactive Areas and Non-Assignable Space. A summary of cube, gross, net and assignable area of the buildings at each Wisconsin State College and the University of Wisconsin, Madison and Milwaukee Campuses, and a functional breakdown of total areas at Wisconsin institutions.

PART III SUMMARY, RECOMMENDATIONS AND CONCLUSIONS

This section summarizes data found in Parts I and II. Comparisons with normative data from other institutions will be made before recommendations and conclusions are made.

PART IV QUALITY STUDY

This is a study concerned with the quality of physical facilities by functional area at each institution.

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OVERVIEW OF UTILIZATION OF ASSIGNABLE AND NON-ASSIGNABLE
AREAS OTHER THAN CLASSROOMS AND LABORATORIES

Definitions

1. In this study, Instructional Area includes: Classrooms, Laboratories, Offices, Libraries, Auditoriums and Other Instructional Area.
Non-Instructional Area includes: Research, Extension and Public Service, Physical Education, Laboratory Schools, Auxiliary Enterprises, Physical Plant and other active non-instructional area.

Offices

2. The average square feet of office space per full time equivalent occupant is: The State Colleges 134.3 square feet; University 122.1; and all institutional, 124.6 square feet.
3. The recommended standard for office space established in 1956 by the Coordinating Committee was 120 square feet per full time equivalent occupant. In the Fall, 1958, approximately 60 percent of the staff at the state colleges and the University occupied offices containing less than 125 square feet per full time equivalent staff.
4. Several institutions are urgently in need of improved office facilities to eliminate the use of classrooms and laboratory space for office purposes. As enrollments increase, office space must be provided for the additional staff members.

Libraries

5. The state college library space averages 10.7 square feet per student enrolled and the University averages 11.7.

6. At the University, Madison and Milwaukee, a large portion of the library facilities are needed for research purposes, as well as instruction. It is estimated that Milwaukee uses approximately 13,537 square feet of library space for research. On the Madison campus 177,959 square feet are used for this purpose.

Auditoria

7. Each state college has an auditorium with the exception of Oshkosh and The Wisconsin Institute of Technology. W.I.T. uses three classrooms for assembly purposes. Oshkosh uses the laboratory school auditorium for collegiate functions. In addition, six have little theater facilities.
8. The University of Wisconsin, Madison, has both auditorium and little theater facilities in its student union. In addition, three other buildings have auditoriums. The University of Wisconsin-Milwaukee has only an auditorium facility.
9. None of Wisconsin's public institutions of higher education can seat its entire student body at one time in its auditorium. The all-institution average indicates that less than 50 percent of the student enrollment can be seated simultaneously. This ranges from 65 percent at Whitewater to 15 percent at the University of Wisconsin-Milwaukee.

Other Active Instructional Area

10. Of the various areas classified as "Other Active Instructional Areas", departmental storage is the largest. The state colleges use about 35 percent of the total "Other Active Instructional Area" for this purpose. The University of Wisconsin - Madison and Milwaukee assign approximately 41 percent of this area to departmental storage.

Research

11. At Wisconsin's institutions of higher education about 12 percent of the total assignable area is devoted to research. Almost all of this area is on the Madison campus of the University.

Extension & Public Service

12. Four of the State Colleges indicated the presence of extension and public service areas at their institutions. Approximately 98 percent of the total institutional area devoted to extension and public service is located on the Madison campus.

Physical Education

13. The State Colleges average 13.4 assignable square feet per student enrolled for physical education purposes. The University at Madison has 4.2 assignable square feet per student enrolled and Milwaukee reports 6.5 square feet.

Laboratory School

14. Eight of the State Colleges have a laboratory school (elementary or secondary) facility. Stout and the Wisconsin Institute of Technology do not have such a facility. However, Stout uses 5 percent of its total assignable collegiate area for laboratory school purposes.

Auxiliary Enterprises

15. Auxiliary enterprise (such as student unions, cafeteria, inter-collegiate athletics) areas vary considerably at the different institutions of higher education. The State Colleges average 9.5 square feet per student enrolled and the University 20.4 square feet per student. The student unions at the State Colleges were not in operation during the

Fall of 1958 and are not included in this study. Included are the student unions at the University of Wisconsin-Madison and Milwaukee campuses.

Active Non-Instructional

- 16 Ten percent of the total institutional area classified as "active non-instructional area" is devoted to the Physical Plant function.

Non-Assignable

17. About 25 percent of the total net square feet of building area at the state colleges and the University falls into the classifications of circulatory, rest rooms, custodial and service, and non-usable space. Circulatory is the largest of these classifications.

General Observations

18. Considerable remodeling of buildings at the various institutions has taken place since the 1956 study resulting in a different functional use of many rooms. The refinement of definitions and inclusions of several additional building summary forms has assured a more complete reporting of the total building areas at all institutions in the 1958 study.
19. The all-institutional average square feet per student enrolled for active instructional area is 65.1. This is a decrease of about 14 square feet per student since the 1956 study.
20. The needs at each institution vary according to their course offerings and objectives, whether they serve mainly under graduates, graduate students or research personnel, and the adequacy of quality and size of their facilities for the functions which they serve. It is unwise to establish set standards for the desirable square feet per student which should be devoted to each function. It is better to analyze each institution separately in order to determine their individual needs.

ACTIVE INSTRUCTIONAL AREA

Offices

For the purposes of this study, an office is defined as: A room or suite of rooms with office-type equipment that is assigned to one or more staff members for the performance of administrative, clerical, or faculty duties other than meeting of classes. Auxiliary rooms such as waiting rooms, office file and supply rooms, interconnecting corridors within a suite of offices, private toilets and clothes closets are included as part of the appropriate offices. It should be noted that the auxiliary rooms were not included as a part of the offices in the 1956 physical facilities study. Office service areas which are not included under the "office" category are those serving more than one department, such as mimeograph rooms, general conference rooms, mailing rooms, etc. These areas are included in the classification of "other active instructional area". Included in this classification is the assignable square feet of office space devoted to administration, student services, instruction and research. The type of staff housed in these offices are faculty and Civil Service personnel.

A studio room in the department of music or fine arts, assigned to one or more faculty members for their own work, even though occasionally used for a student lesson, is classified as a faculty office. Offices which are used for the functions of extension and public service, physical plant, library, laboratory school, intercollegiate athletics, and other active purposes are included in the areas designated for these functions.

The State Colleges have an over-all average of 134.4 assignable square feet per full-time equivalent occupant. The University of Wisconsin, Madison has

an average of 127.6 assignable square feet per full-time equivalent occupant. The Milwaukee campus of the University reports an average of 89.6 assignable square feet per full-time equivalent occupant.

From Charts 5 and 6 it will be noted that the State Colleges have 41 percent of the full-time equivalent staff with less than 100 square feet per occupant. The University of Wisconsin, Madison and Milwaukee, averages 47 percent of their staff in the same category. At the University of Wisconsin-Milwaukee this accounts for 73 percent of their full-time equivalent staff.

In the 1956 study the Coordinating Committee for Higher Education recommended that the overall standard for office space be established at 120 square feet per occupant. This will necessarily vary with the function of the staff using the office area. For example, administration and student services often require conference and record rooms in conjunction with office space. In certain instructional fields such as Agriculture and Engineering where additional equipment is used in the instructional office more square feet per occupant is required. In other areas merely book shelf and file cabinet space are adequate. In addition, personnel involved in the program of graduate research and instruction may require more space for individual guidance and counseling unless it is possible to provide separate conference rooms to serve several faculty members.

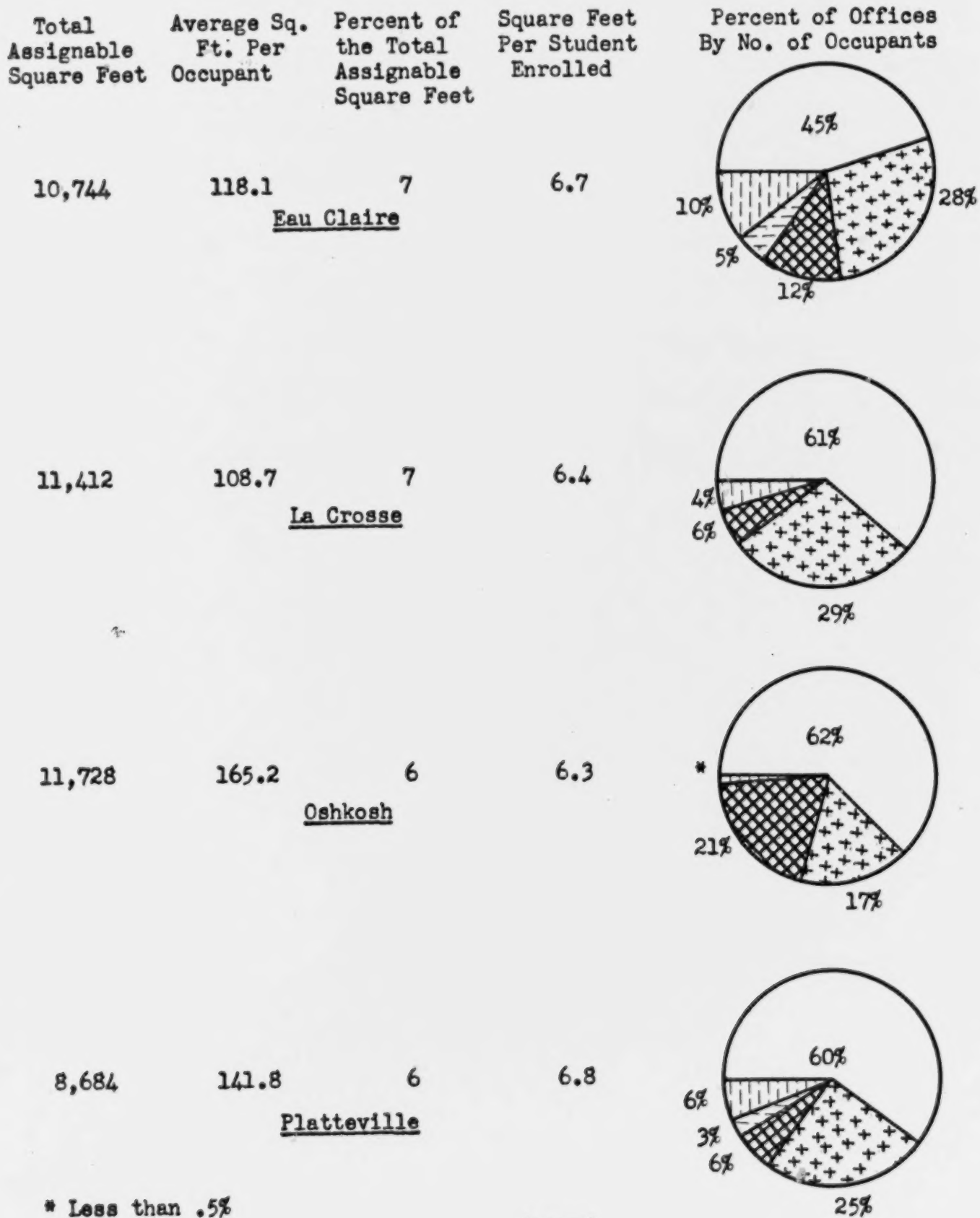
Chart 4 indicates that about 50 percent of the State College staff are provided with one-man offices while at the University this is approximately 60 percent. The two-man offices account for almost one-third of the total offices at the State Colleges and one-fourth of the total offices at the University. Eighty percent of all the offices at the State Colleges and the University of Wisconsin house either one or two staff members.

Some of the State Colleges provide office space in the form of a desk as a part of the classrooms or laboratories. This area was not included in the office space analysis. Those institutions which report this condition are: Eau Claire-4, Oshkosh-22, and Stout-3. The University of Wisconsin-Milwaukee provides office space in three classrooms. This situation also exists on the Madison campus of the University. In addition, one institution reports that the only access to certain offices is by passing through a classroom. This inadequacy in providing separate offices for staff members hinders optimum utilization of the classrooms and laboratories involved.

As was noted in Part I, the enrollments at the Wisconsin public institutions of higher education have expanded appreciably from the fall semester, 1956, to the same semester in 1958. This increase in the student population necessitates an increase in the number of staff which in turn requires additional office facilities.

CHART 1

SUMMARY OF OFFICE SPACE
AT WISCONSIN STATE COLLEGES AND THE UNIVERSITY OF WISCONSIN
Fall, 1958



Legend

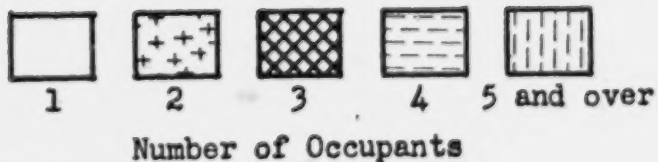
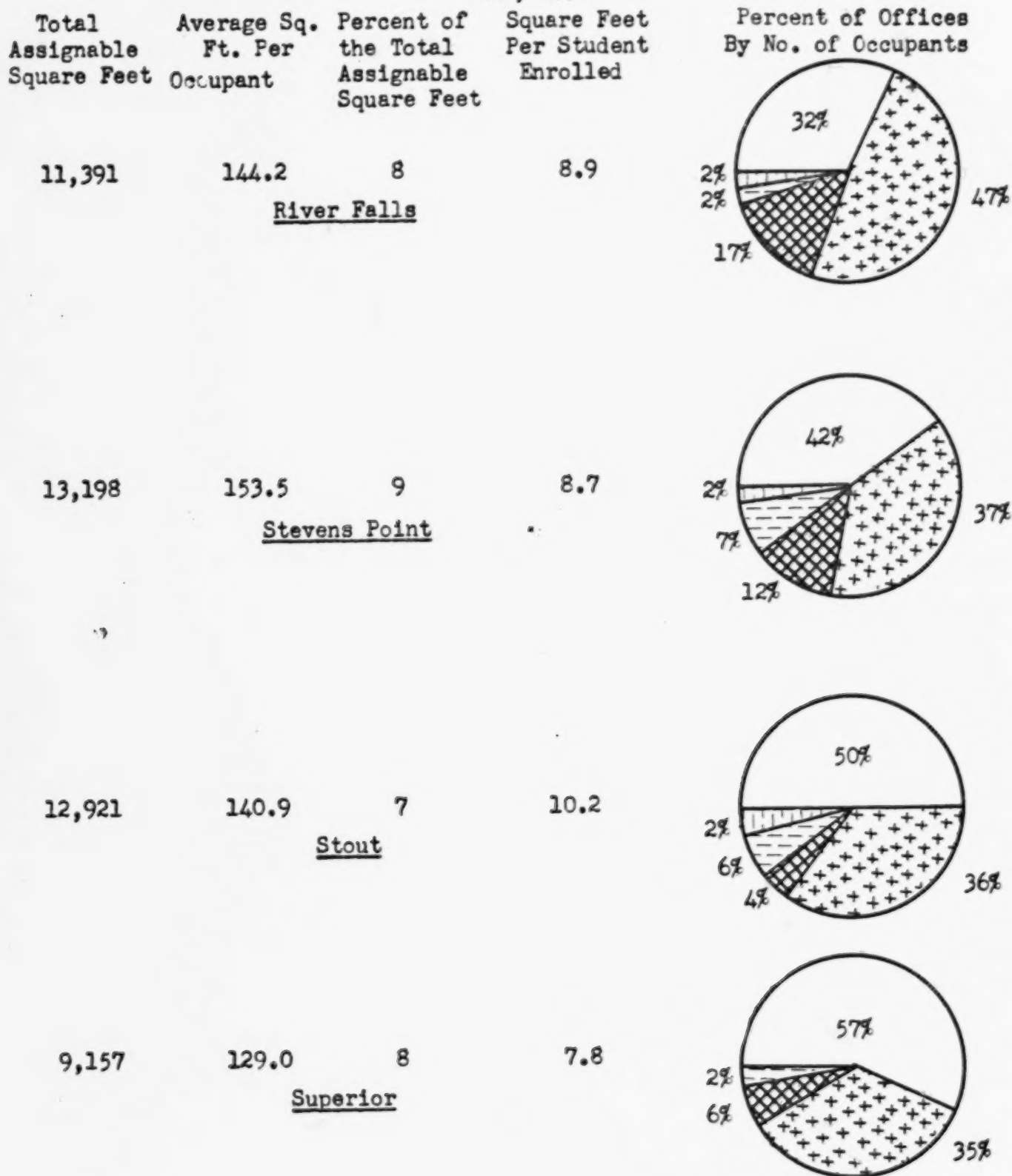
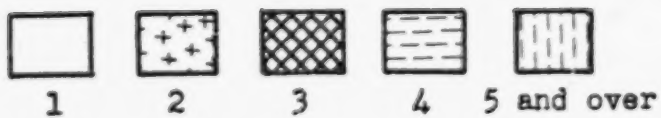


CHART 2

SUMMARY OF OFFICE SPACE
AT WISCONSIN STATE COLLEGES AND THE UNIVERSITY OF WISCONSIN
Fall, 1958



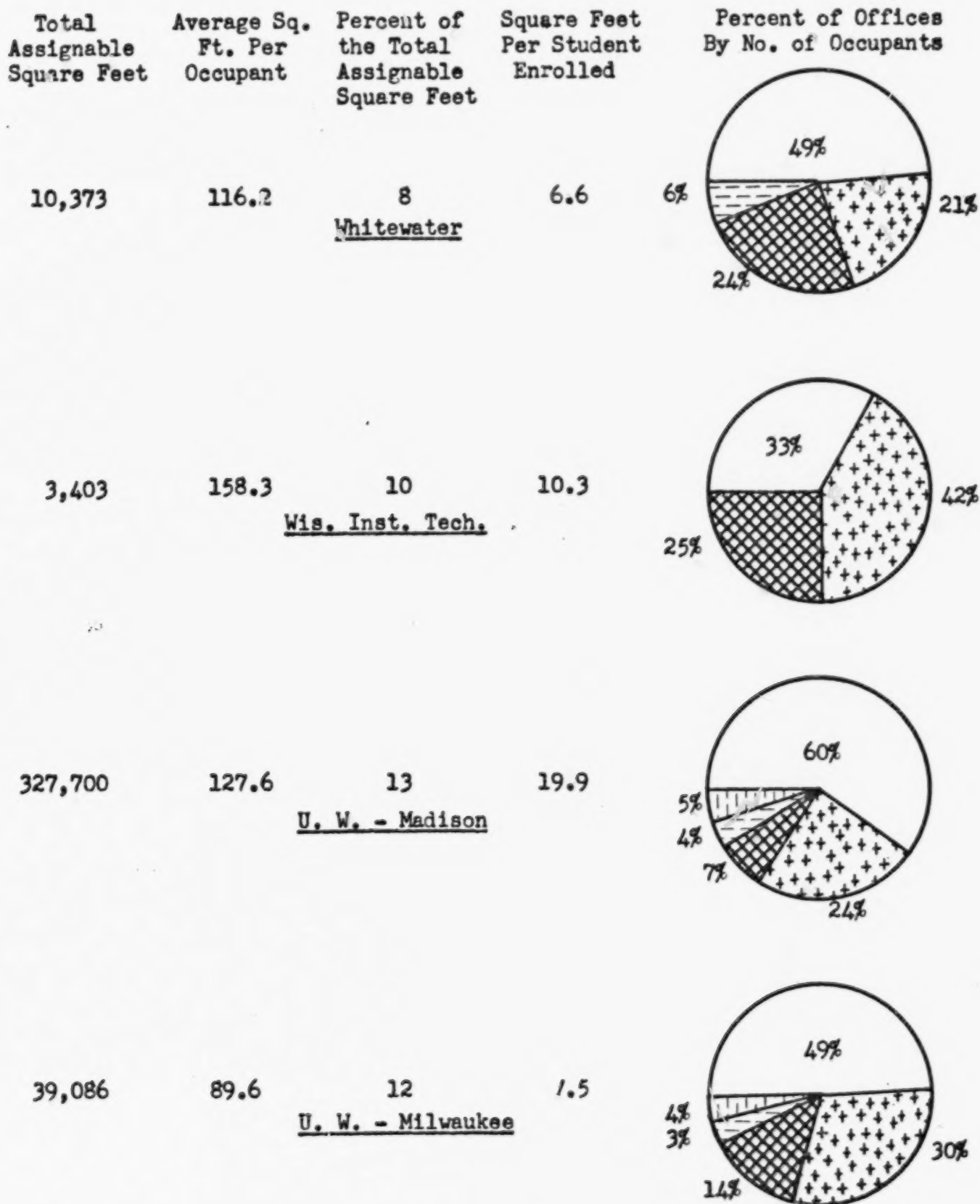
Legend



Number of Occupants

CHART 3

SUMMARY OF OFFICE SPACE
AT WISCONSIN STATE COLLEGES AND THE UNIVERSITY OF WISCONSIN
Fall, 1958



Legend

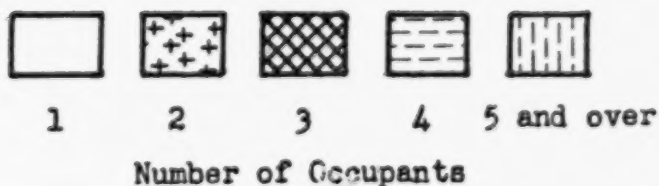


CHART 4

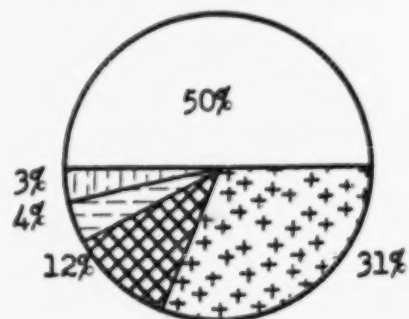
SUMMARY OF OFFICE SPACE
AT WISCONSIN STATE COLLEGES AND THE UNIVERSITY OF WISCONSIN
Fall, 1958

Total Assignable Square Feet	Average Sq. Ft. Per Occupant	Percent of the Total Assignable Square Feet	Square Feet Per Student Enrolled
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103,011	134.3	7	7.5
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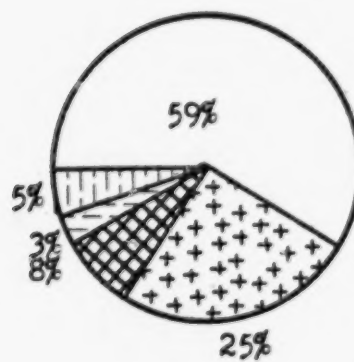
State College Average

Percent of Offices
By No. of Occupants



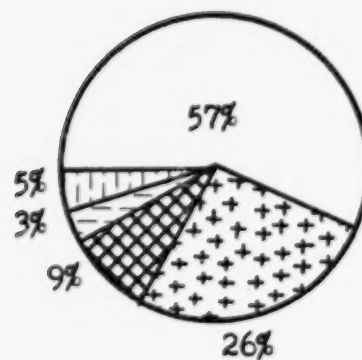
366,786	122.1	12	16.9
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University Average



469,797	124.6	11	13.3
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All Institutional Average



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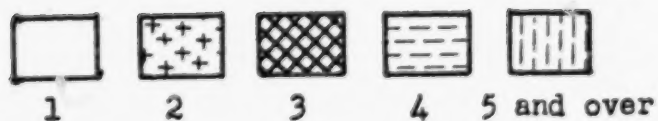


CHART 5

THE PERCENTAGE DISTRIBUTION OF FULL-TIME EQUIVALENT STAFF BY ASSIGNABLE SQUARE FEET
PER OCCUPANT FOR OFFICES AT WISCONSIN STATE COLLEGES
Fall, 1958

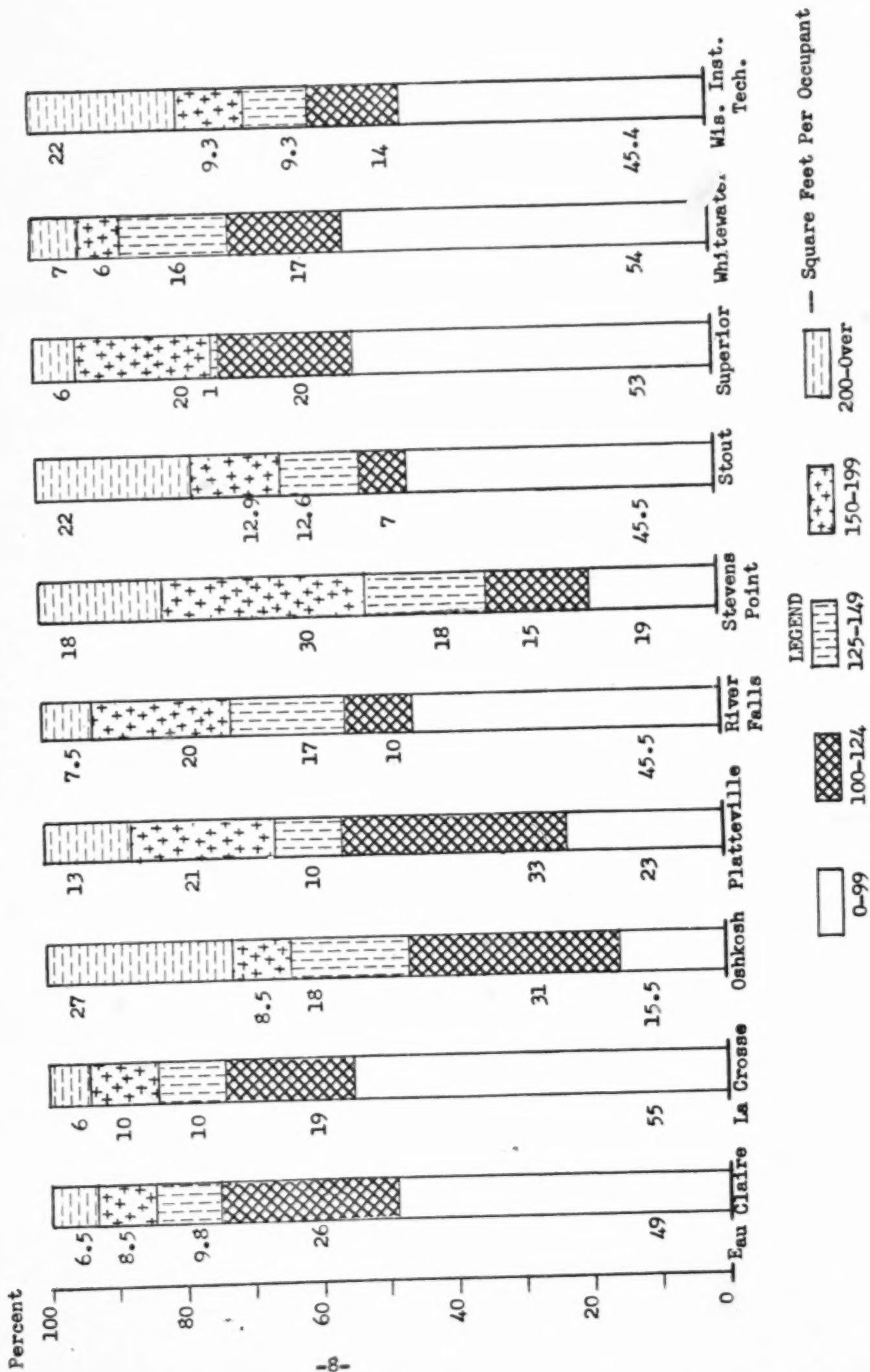
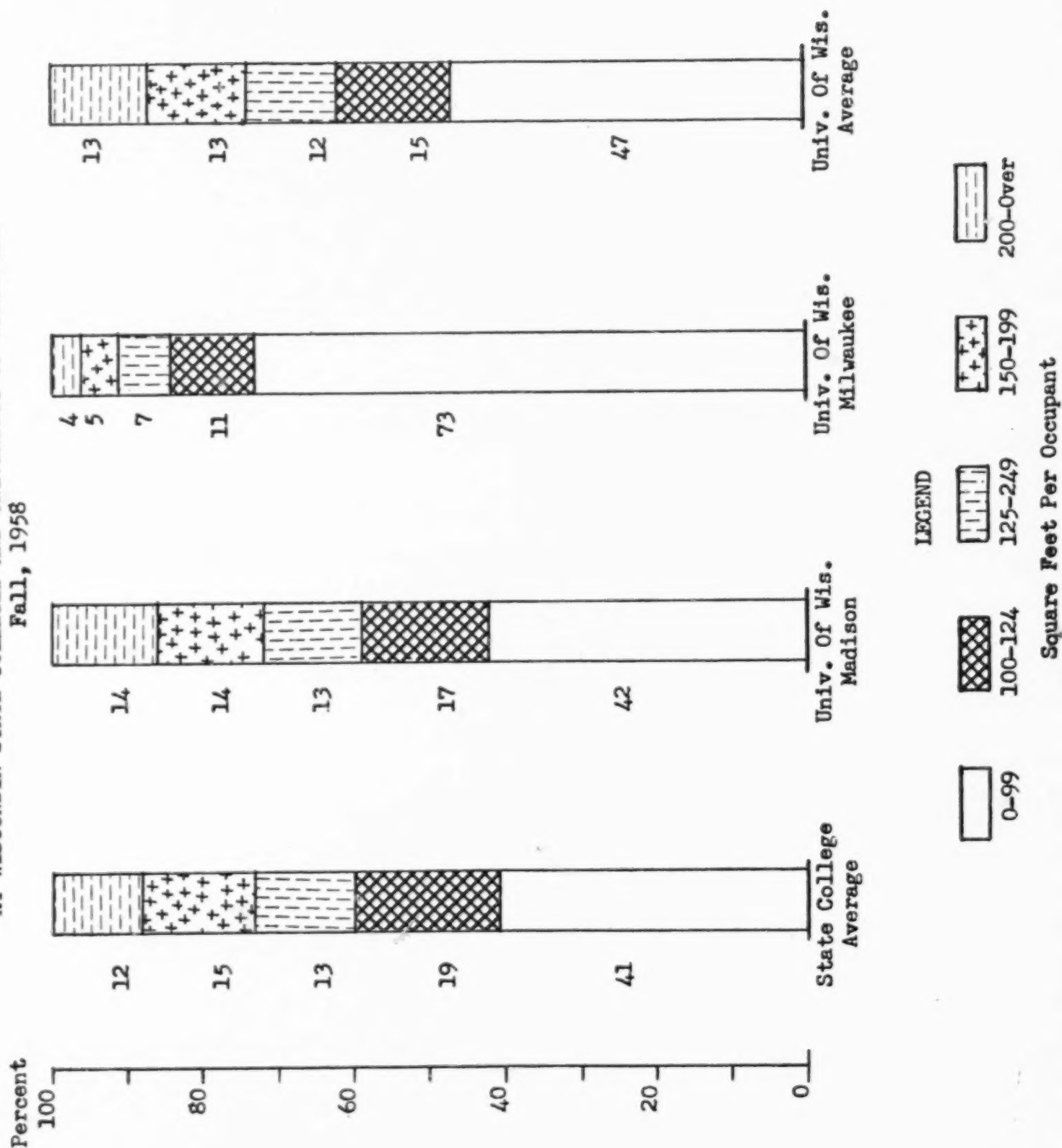


CHART 6

PERCENTAGE DISTRIBUTION OF FULL-TIME EQUIVALENT STAFF BY ASSIGNABLE SQUARE FEET PER OCCUPANT
AT WISCONSIN STATE COLLEGES AND UNIVERSITY OF WISCONSIN
Fall, 1958



Libraries

For this study a library is defined as. A room or a group of rooms used for the collection, storage, circulation, and use of books, periodicals, manuscripts, and other reading and reference materials. This category includes the general library, library offices, and rooms for special collections of documents, films or records. Smaller libraries on the departmental or college level are included in this category if they employ at least a half-time librarian. Teaching facilities for library science staff and students, even though located in the library building, are classified as instructional rooms, and excluded from the inventory of "library space".

Library facilities have been greatly improved at the State Colleges in recent years with the completion of new buildings at all schools except Eau Claire, Oshkosh and Superior. Eau Claire has a library under construction which is expected to be occupied by the fall of 1960, Oshkosh's library is in the planning stage and Superior's library is included in the long range building program. In the fall, 1958, Oshkosh indicated their present facilities were being used approximately 6 percent above capacity.

Chart 7 indicates that the State Colleges average 10.7 square feet per student enrolled for library facilities and the University averages 11.7. The lowest number of square feet per student enrolled are found at Eau Claire, Oshkosh, Wisconsin Institute of Technology, Superior and the University of Wisconsin-Milwaukee.

A little over 60 percent of the library space is devoted to reading rooms and active stack space. The figures in this study showing stack space are based

on the total volume capacity of the stacks. For efficient operation the stacks should not be over 75 percent filled for desired flexibility.

The University of Wisconsin averages 104.7 square feet per full-time equivalent occupant in library offices and the State Colleges average 140.5 square feet. Additional personnel have desks in catalogue or mending rooms and are not accounted for in the library office space.

The library reading rooms seat between 10-27 percent of the student body at one time with the all-institutional average being 14 percent. The needs of each institution must be determined in the light of its program and other facilities. However, the all-institutional average of 14 percent of the total enrollment for seating space is very low as compared to standards established by others, which range from 20 to 33-1/3 percent. See the following references:

1. "Standards for College Libraries", prepared by Committee on Standards of the Association of College and Research Libraries, Division of ALA. College and Research Libraries, July, 1959, p. 278.
2. Hanely, Edna R., College and University Library Buildings, 1939, pp. 136-37.
3. John E. Burchard, et al., Planning the University Library, New Jersey, 1949, pp. 32.

At the University of Wisconsin, Madison and Milwaukee, a large portion of the library facilities are needed for research purposes as well as instruction. All the library areas which employ at least a half-time librarian are included here. It is estimated that approximately 13,537 square feet of the library

serves the research at Milwaukee and 77,959 square feet at Madison. This area includes stack space, reading rooms and offices.

CHART 7

SUMMARY OF LIBRARY SPACE
AT WISCONSIN STATE COLLEGES AND UNIVERSITY OF WISCONSIN
Fall, 1958

Institutions	Square Feet of Assignable Area		% of Area Devoted to Various Functions				
	Total	Per Student	Read. Rms.	Stacks	Stack ¹ Expansion	Office	Library Service
<u>State Colleges:</u>							
Eau Claire	6,165	3.8	53.0	34.0	---	13.0	----
La Crosse	22,835	12.9	58.0	12.0	9.0	2.0	19.0
Oshkosh	8,408	4.5	59.0	30.0 ²	---	3.0	8.0
Platteville	24,087	18.8 ³	29.0	20.0	35.0	1.0	15.0
River Falls	19,668	15.3	28.0	15.0	22.0	4.0	31.0
Stevens Point	21,740	14.3	39.0	21.0	26.0	6.0	8.0
Stout	17,238	13.6	36.0	19.0	20.0	4.0	21.0
Superior	8,037	6.9	33.0	51.0	---	4.0	12.0
Whitewater	15,311	9.8	37.0	27.0	19.0	1.0	16.0
Wis. Inst. Tech.	2,069	6.3	41.0	21.0	2.0	2.0	34.0
<u>College Totals:</u>	145,558	10.7	40.0	21.6	18.5	3.6	16.3
<u>University</u>							
Madison	218,521	13.3	28.0	36.0	17.0	3.0	16.0
Memorial	(173,662)		(27.0)	(31.0)	(21.0)	(2.0)	(19.0)
Agriculture	(7,156)		(31.0)	(65.0)	----	(4.0)	----
Engineering	(6,119)		(54.0)	(35.0)	----	(8.0)	(3.0)
Law	(13,429)		(23.0)	(66.0)	----	(5.0)	(6.0)
All Others	(18,155)		(29.0)	(53.0)	----	(16.0)	(2.0)
Milwaukee	35,698	6.9	46.0	25.0	8.0	3.0	18.0
Kenwood	(28,636)		(48.0)	(16.0)	(11.0)	(3.0)	(22.0)
Downtown	(7,062)		(37.0)	(59.0)	----	(2.0)	(3.0)
<u>University Total</u>	254,219	11.7	31.0	35.0	15.0	3.0	16.0
<u>All Institutions</u>	399,777	11.3	34.0	30.0	17.0	3.0	16.0

¹ Stack expansion was based on volume capacity of the active stacks, although the librarians prefer the stacks 75% filled to allow for flexibility.

² Stacks being used 6% above capacity.

³ Based on Platteville State College enrollment only, although it is partially shared with the Wisconsin Institute of Technology.

CHART 8

UTILIZATION OF SPECIFIC LIBRARY FACILITIES AT WISCONSIN STATE COLLEGES AND UNIVERSITY OF WISCONSIN Fall, 1958

Institutions	No. of Volumes	Volumes Per Sq. Ft. Of Stack Space In Use	Square Feet Of Office Space Per FTE Staff	Reading Room Seating As Percent Of Enrollments
<u>State Colleges:</u>				
Eau Claire	57,272	27.3	165	10
La Crosse	51,984	18.6	184	23
Oshkosh	42,793	17.2	154	13
Platteville	85,000	18.0	178	18
River Falls	44,413	15.5	132	27
Stevens Point	90,000	19.5	220	22
Stout	49,200	15.1	86.8	18
Superior	75,000	18.2	147	12
Whitewater	61,298	14.8	112	17
Wis. Inst. Tech.	5,300	15.8	44	10
<u>State College Total:</u>	562,260	17.8	140.5	17
<u>University:</u>				
Madison	1,035,167	13.0	104.4	12
Memorial	(745,200)	(13.7)	(118.6)	
Agriculture	(50,000)	(10.8)	(80.3)	
Engineering	(52,605)	(24.6)	(82.5)	
Law	(100,000)	(11.4)	(135.2)	
All Other	(87,362)	(9.1)	(166.9)	
Milwaukee	108,000	12.3	106.6	13
Kenwood	(78,000)	(16.9)	(105.6)	
Downtown	(30,000)	(7.2)	(115)	
<u>University Total:</u>	1,143,167	13.0	104.7	12
<u>All Institutions:</u>	1,705,427	14.2	116.6	14

Auditoriums, Theaters and Assembly Halls

For purposes of this study an auditorium is defined as: Any room possessing a stage, audience seating and facilities for the purpose of presenting dramatic plays, concerts and similar events. If the seating area was used for regularly scheduled class meetings it was prorated between classrooms and auditorium space on the basis of class hours assigned. Dressing rooms, projection rooms and scenery rooms are included in the general category of auditorium and theater area. Check rooms and ticket sales booths are charged to auxiliary enterprises. This definition differs from the 1956 study in that it includes all auxiliary rooms in the auditorium area except as noted above. It is extremely difficult to draw the line between auditorium and lecture rooms.

Each of the state colleges has an auditorium with the exception of Oshkosh and the Wisconsin Institute of Technology.¹ The Wisconsin Institute of Technology uses three classrooms for assembly purposes. Oshkosh uses the laboratory school auditorium facility for collegiate functions and some music classes. The auditoriums are used for convocations, concerts, dramatic presentations, etc. Several schools divide the use of auditorium facilities between auditorium and college classroom functions. Music classes are held in this area in many instances.

Eau Claire, La Crosse, Oshkosh, Platteville, River Falls and Stevens Point have little theater facilities.

¹ Merged with Platteville, April, 1959.

The University of Wisconsin, Madison has both auditorium and little theater facilities in its student union. In addition, Agricultural Hall, Music Hall, Stock Pavilion, Chemistry, and 508 State Street have auditoriums. The University of Wisconsin-Milwaukee has only an auditorium facility.

As is indicated by Chart 10, no institution can seat the entire student body at one time in its auditorium. The State College auditorium seating capacity ranges from 31 percent of the student enrollment at Oshkosh to 65 percent at Superior. The University of Wisconsin, Madison can seat 20 percent in the Stock Pavilion and Milwaukee has a capacity of 15 ¹ percent of the student population.

The state colleges average 5.4 assignable square feet per student for auditorium purposes. The University of Wisconsin, Madison has 1.9 assignable square feet per student and Milwaukee reports 1 assignable square foot per student enrolled. On the Milwaukee campus the auditorium is reported as being used 50 percent for classroom purposes.

¹ Daytime enrollment.

CHART 9

SUMMARY OF AUDITORIUM AND LITTLE THEATER AREAS AT WISCONSIN STATE COLLEGES AND THE UNIVERSITY OF WISCONSIN Fall, 1958

<u>Institution</u>	<u>Assignable Square Feet</u> ¹	<u>Square Feet Per Student</u>	<u>Type of Facility</u>
<u>State Colleges:</u>			
Eau Claire	11,754	7.3	Auditorium - Little Theater
La Crosse	10,798	6.1	Auditorium - Little Theater
Oshkosh	2,002 ²	1.1	Little Theater
Platteville	9,524	7.4	Auditorium - Little Theater
River Falls	9,145	7.1	Auditorium - Little Theater
Stevens Point	8,230	5.4	Auditorium - Little Theater
Stout	7,610 ²	6.0	Auditorium
Superior	9,223	7.9	Auditorium
Whitewater	5,952 ²	3.8	Auditorium
Wis. Inst. Tech.	-----	---	
<u>State College Total:</u>	74,238	5.4	
<u>University:</u>			
Madison	31,308	1.9	2 Auditoriums, Stock Pavilion 2 Small Auditoriums
Milwaukee	5,268	1.0	Auditorium
<u>University Total:</u>	36,576	1.6	
<u>All Institutions:</u>	110,814	3.1	

¹ Area prorated according to split function use.

² These schools also use part of the auditorium facilities for instruction purposes.

CHART 10

AUDITORIUM FACILITIES¹ AT WISCONSIN STATE COLLEGES AND
THE UNIVERSITY OF WISCONSIN
Fall, 1958

Institutions	Assign., Sq. Ft.		No. of Seats	Stg. as % Of Enroll	Size of Stage & Wings	Facilities Provided								
	Main Floor	Bal- cony				Other	Dress- ing Rms	Wash bowls	Proj. Equip	Foot lights	Cur- tain	Orch Organ Pit		
Eau Claire Aud.	3360	1120	620	38	576	---	-	-	-	-	-	x	x	x
L. Th.	2592	---	400	25	1568	2538	3	4	-	-	-	y	x	-
La Crosse Aud.	5360	1152	877	49	396	362	2	-	-	-	-	x	x	x
L. Th.	2340	80	360	20	1378	---	2	1	x	-	-	x	x	-
Aud. Vis.	1443	---	196	11	448	128	-	-	x	-	-	-	-	-
Oshkosh L. Th.	3312	---	584	31	1012	680	3	3	x	-	-	x	x	x
Platteville Aud.	4314	558	628	49	726	---	1	1	x	-	-	x	x	x
L. Th.	1070	---	145	11	880	1977	4	4	x	-	-	x	x	-
River Falls Aud.	3290	1070	687	53	1047	---	-	-	-	-	-	x	x	x
L. Th.	2094	---	239	19	555	1359	4	1	-	-	-	y	x	-
Stevens Point Aud.	4800	---	640	42	1430	---	1	1	x	-	-	y	x	x
L. Th.	1800	---	125	8	---	200	-	-	x	-	-	-	-	-
Stout Aud.	3165	2242	720	57	1801	600	4	4	x	-	-	x	x	x
Superior Aud.	5132	1287	764	65	2081	723	2	-	-	-	-	y	x	-
Whitewater Aud.	2772	1914	906	58	1066	200	2	2	x	-	-	y	x	x

State Colleges:

¹ Total area of facility irrespective of split function use.

Auditorium Facilities - Cont.

Institutions	Assign. Sq. Ft.		No. Of Seats	Stg. as % Of Enroll.	Size of Stage & Wings	Facilities Provided						
	Main Floor	Balcony				Dressing Rms	Wash bowls	Proj Equip	Foot lights	Curtain	Orch Pit	Organ
<u>University:</u>												
Madison												
M. H. Aud	4219	2066	778	5	1178	---	-	x	-	-	-	x
Ag. H. Aud	2872	1742	638	4	300	---	-	x	-	-	-	-
Stock Pav.	10,000	10,657	3353	20	---	---	-	-	-	-	-	-
Chem. Aud.	2158	---	395	2	---	---	-	-	-	-	-	-
508 State Union ¹	1452	---	77	+	---	---	-	-	-	-	-	-
Aud	7343	4400	1300	8	2695	---	x	x	x	x	x	-
L. Th.	2575	---	168	1	114	---	x	x	-	-	-	-
Milwaukee Aud.	2705	1240	800	15 ²	1323	---	-	-	-	x	-	x

¹ Auditorium in Union is charged to auxiliary enterprise area but is listed here to show facilities.

² Daytime enrollment only.

OTHER ACTIVE INSTRUCTIONAL SPACE

In this study other active instructional space is defined as: All instructional areas not otherwise assignable to categories previously listed. Areas which serve only one laboratory, classroom or office are included with that particular area. Other areas which serve more than one laboratory, classroom or office, or a department appear in this classification.

Other active instructional area includes the following categories:

- a. Department Storage. All storage areas which are attributable to instruction, general administration or student services and are not directly assignable to specific laboratories, offices and other instructional areas. Not included are dead storage areas such as attics and unfinished basements. Space which has been condemned and is not expected to be returned to active use is considered non-assignable floor space.
- b. Laboratory Preparation and Processing. Included are all rooms used in conjunction with teaching laboratories which are not directly assignable to a specific laboratory. This includes such rooms as equipment service, preparation and storage, receiving and shipping rooms, etc.
- c. Office Services. Rooms used for office functions such as mailing, mimeographing, active files, etc., not assignable to a specific office.
- d. Conference Rooms. All general purpose conference rooms used for group and individual conferences not assignable to a specific office or other room or used for formal classes.
- e. Department Reading Rooms and Libraries. Included are all rooms assigned to specific departments for library and reading room purposes. Excluded are areas which are in the library category.

- f. Home Management Houses. Houses or building areas used for practice work by students in home economics. This classification includes the entire net area of such houses used for this purpose.
- g. Animal Quarters. All assignable areas attributable to the keeping of laboratory animals. The percentage of use for research is estimated and included in the research category. Farm buildings are not included in this study.
- h. Music Practice Rooms. All areas for individual practice sessions. Not included are band practice rooms or music studios. These are included in the classification of Teaching Laboratories.
- i. Greenhouses. This is the entire assignable area including the headhouse. The percentage of use for research is estimated and included in the research category.
- j. Other. This includes all other active instructional areas not otherwise assignable to one of the above categories. This covers such rooms as listening rooms, audio-visual sound rooms, blueprinting rooms, dark rooms, etc.

This classification of other active instructional space is in addition to the classifications of classrooms, laboratories, offices, libraries and auditoriums, all of which are needed for the total instructional program. The state colleges assign about 11 percent of the total instructional area to this classification. The University of Wisconsin, Madison, assigns approximately 18 percent and the Milwaukee campus reports about 13 percent.

Chart 11 shows a functional breakdown of the various areas classified as "other active instructional areas".

Stout, The Wisconsin Institute of Technology, and the University of Wisconsin, Madison, have greater than 10 square feet per student enrolled in this category. The industrial education, engineering and agricultural programs at these schools require larger storage areas for their specialized equipment. The state college average is 6.2 square feet per student enrolled; the University average is 12.4 square feet per student.

CHART 11

OTHER ACTIVE INSTRUCTIONAL SPACE
AT WISCONSIN STATE COLLEGES AND THE UNIVERSITY OF WISCONSIN
Fall, 1958

Institutions	Sq. Ft. Per Stu Enrolled	Assignable Sq. Ft.	Assignable Square Feet of Other Active Instructional Space Devoted To Various Functions									
			Dept. Storage	Lab. Prep.	Office Services	Conf. Rooms	Dept. Reading	Home Mgmt. Quarters	Animal Practice	Music Green Other		
											Rooms	
State Colleges:												
Eau Claire	5.4	8,704	1,016	1,175	1,904	324	---	---	320	1,405	648	1,920
La Crosse	4.7	8,262	4,034	---	361	1,365	654	---	---	112	392	1,344
Oshkosh	4.2	7,930	1,617	903	140	---	223	---	---	886	240	3,921
Platteville	3.9	4,955	---	786	589	1,495	138	---	---	422	---	1,525
River Falls	2.9	3,732	1,621	---	580	245	---	---	---	208	168	910
Stevens Point	3.6	5,529	400	---	---	---	---	2,285	---	1,242	---	1,602
Stout	22.4	28,402	12,028	695	180	1,484	---	6,769	---	272	---	6,974
Superior	5.0	9,418	3,990	755	551	---	148	---	---	855	---	3,119
Whitewater	5.0	7,790	4,023	400	813	799	306	---	---	438	---	1,011
Wis. Inst. Tech.	10.6	3,509	2,309	1,160	40	---	---	---	---	---	---	---
State College Total	6.2	88,231	31,038	5,874	5,158	5,712	1,469	9,054	320	5,840	1,440	22,326
University:												
Madison	14.8	243,701	100,618	33,415	9,276	13,087	18,381	4,145	8,521	5,773	8,171	42,314
Milwaukee	4.8	24,719	10,117	2,664	2,465	1,529	218	---	140	1,904	904	4,778
University Total	12.4	268,420	110,735	36,079	11,741	14,616	18,599	4,145	8,661	7,677	9,075	47,092
Grand Total	10.1	356,651	141,773	41,953	16,899	20,328	20,068	13,199	8,981	13,517	10,515	69,418

1 Exclusive of farms which were not included in this study.

SUMMATION OF ASSIGNABLE SQUARE FEET PER STUDENT
ENROLLED FOR ACTIVE INSTRUCTIONAL AREA

Chart 12 indicates the assignable square feet per student enrolled for each classification in the category of active instructional space. It is interesting to note that in most classifications, the state college and university average square feet per student enrolled is very similar. The two exceptions are offices and auditoriums. The University at Madison reports more square feet per student enrolled for offices since this includes research offices as well as instructional, administration and student services. The average of the University, Madison and Milwaukee, shows about 4 square feet less per student enrolled for auditoriums than that of the state colleges. This is due to the fact that the smaller the enrollment the larger the square feet per student becomes.

Since the 1956 study, the assignable square feet of classroom space per student enrolled has decreased at all of the state colleges and the University of Wisconsin. This decrease is about 3 square feet.

The assignable square feet of laboratory space per student enrolled ranged from 37 square feet at Stout to 6.6 at the University of Wisconsin-Milwaukee. The instructional programs using large scale equipment necessarily have more laboratory space per student. As was mentioned previously, Industrial Education, Engineering and Agriculture Laboratories require more square feet of space. It is interesting to note that the state college and university average differs by only one-tenth of a square foot in laboratory space per student enrolled.

In the library area the state colleges range from 3.8 square feet per student enrolled at Eau Claire to 18.8 at Platteville. However, the state college and university average only shows a difference of one square foot per student enrolled.

CHART 12

ASSIGNABLE SQUARE FEET PER STUDENT ENROLLED FOR ACTIVE INSTRUCTIONAL AREA AT WISCONSIN STATE COLLEGES AND THE UNIVERSITY OF WISCONSIN Fall, 1958

<u>Institutions</u>	<u>Classrooms</u>	<u>Laboratories</u>	<u>Offices</u>	<u>Libraries</u>	<u>Auditorium</u>	<u>Other</u>
<u>State Colleges:</u>						
Eau Claire	11.5	7.6	6.7	3.8	7.3	5.4
La Crosse	11.9	5.4	6.4	12.9	6.1	4.7
Oshkosh	14.6	9.2	6.3	4.5	1.1	4.2
Platteville	15.7	25.5	6.8	18.8	7.4	3.9
River Falls	9.9	16.9	8.9	15.3	7.1	2.9
Stevens Point	12.8	11.5	8.7	14.3	5.4	3.6
Stout	10.7	37.0	10.2	13.6	6.0	22.4
Superior	15.7	9.9	7.8	6.9	7.9	5.0
Whitewater	10.2	10.1	6.6	9.8	3.8	5.0
Wisc. Inst. Tech.	22.6	32.6	10.3	6.3	---	10.6
<u>State College Average</u>	12.8	14.9	7.5	10.7	5.4	6.2
<u>University:</u>						
Madison	11.6	18.0	19.9 ¹	13.3	1.9	14.8
Milwaukee	9.6	6.6	7.5	6.9	1.0	4.8
<u>University Average</u>	11.1	15.0	16.9	11.7	1.6	12.4
<u>All-Institutional Ave.</u>	11.7	15.0	13.3	11.3	3.1	10.1

¹ Includes research offices.

ACTIVE NON INSTRUCTIONAL SPACE

Research

Research space is defined as: Laboratories, conference rooms, materials rooms, machine rooms, etc., used for research purposes. Where space serves two or more functions, it is prorated among these functions, except that incidental amounts are disregarded. Library carrells and other library facilities directly assigned to research are included in the research area.

The major portion of the research program in the public institutions of higher education in Wisconsin is conducted at the University of Wisconsin, Madison. About 20 percent of the total assignable area at the University of Wisconsin, Madison, is used for research purposes. This space is most heavily used by the fields of Agriculture, Engineering, Home Economics and Education.

The area devoted to research at the University of Wisconsin, Madison, appears to have increased about 42 percent from the Fall, 1956, to the same period, 1958. This apparent increase is primarily due to the refinement of definitions in the 1958 study. Added to the research area in this study are storage and laboratory preparation space, which was previously classified as miscellaneous. Actually the new addition to the research space accounts for only an 8 percent increase in the assignable square feet over the 1956 study. It is interesting to note that even with refinement of definitions and a small increase in the area, the square feet per full-time equivalent staff decreased about 6 square feet since the 1956 study. Two-thousand eight-hundred eighty-four full-time equivalent research staff used this space with an average of 179.3 square feet per full-time equivalent staff.

The demands for more extensive research programs are emphasized by the fact that expenditures in this area over the last ten years at the University have increased about 300 percent. From the Fall, 1956, to the Fall, 1958, the expenditures increased about 54 percent.¹

¹ Office of the controller, University of Wisconsin, Madison.

CHART 13

RESEARCH SPACE AT WISCONSIN STATE COLLEGES AND THE UNIVERSITY OF WISCONSIN Fall, 1958

Institution	Assignable Square Feet	Percent Of Total Assign. Square Feet	Average Square Feet Per Student Enrolled
<u>State Colleges</u>			
River Falls	345	* ¹	.3
Stevens Point	322	*	.2
Stout	1,973	1	1.6
Wisc. Inst. Tech.	189	*	.6
<u>State College Total:</u>	2,829	*	.6 (of S. C. having research space)
<u>University:</u>			
Madison ²	517,799	19.8	31.4
Milwaukee ³	1,359	*	.3
<u>University Total:</u>	519,158	17.6	23.9
<u>GRAND TOTAL:</u>	521,987	11.9	14.8

¹ Less than .5 percent.

² Excludes Medical Research - 2884 full-time equivalent staff were engaged in research at the University of Wisconsin, Madison, Fall, 1958. 179.5 Square feet per F.T.E. staff. This does not include library facilities or research offices. It is estimated that an additional 77,959 square feet of the library space is used for research purposes.

³ An additional 13,537 square feet of the library space is used for research facilities.

EXTENSION AND PUBLIC SERVICE

The classification of Extension and Public Service space is defined as: Space for service directed to general public adult education, correspondence courses, public lectures, radio and television, state-wide service units (state chemists), public museums and exhibition rooms. Storage area devoted to extension and public service is also included in this classification.

Four of the state colleges indicated the presence of extension and public service areas at their institutions. Approximately 98 percent of the area devoted to extension and public service is located on the Madison campus of the University.

The University of Wisconsin, Madison, has a large extension and public service program. This includes such areas as agricultural and home economics extension activities, correspondence study, special institutes, WHA-TV, and public service activities carried on by various academic departments.

Figures for the University of Wisconsin, Madison, for 1958 indicate an apparent increase in assignable square footage devoted to extension and public service programs of about 7 percent over the 1956 study. Actually very little of this is an addition to the space used for this program. The apparent increase is brought about by the different definitions used in the 1956 and 1958 studies. Considerable space which was listed as miscellaneous in the 1956 study is now

classified as extension and public service area in the 1958 study. In addition, the 1958 study includes the Wisconsin Center Building, which was not in the 1956 study.

In spite of the fact that there has been very little increase in square footage, the Extension and Public Service activities have expanded appreciably. The total expenditures indicate about a 16 percent increase from 1956-57 to 1958-59.¹

¹ Office of the Controller, University of Wisconsin.

CHART 14

EXTENSION AND PUBLIC SERVICE AREA AT WISCONSIN STATE COLLEGES AND UNIVERSITY OF WISCONSIN Fall, 1958

<u>Institutions</u>	<u>Assignable Square Feet</u>	<u>Av. Sq. Feet of Office Space Per F. T. E. Staff</u>
<u>State Colleges:</u>		
Eau Claire	2,060	
Oshkosh	1,242	
River Falls	580	
Stevens Point	6,080	144
<u>State College Total:</u>	9,962	144
<u>University:</u>		
Madison	130,202	105.6
Milwaukee	3,291	108.8
<u>University Total:</u>	133,493	
<u>Grand Total:</u>	143,455	

PHYSICAL EDUCATION

In this study physical education area is defined as: All area assignable to physical education and athletics except classrooms, offices and areas devoted to inter-collegiate athletics. Included are gymnasiums, swimming pools, locker rooms, wrestling and boxing rooms, etc. Seating areas are included to the extent that they accommodate the student body in the physical education area. Excess seating is charged to inter-collegiate athletics. For example, if a school had an enrollment of 1500 and a seating capacity of 3000, one-half the area is charged to physical education and one-half to inter-collegiate athletics in the classification of auxiliary enterprises. Ticket offices, coat rooms, concession stands and visiting team locker and shower rooms are charged to inter-collegiate athletics in the category of auxiliary enterprises.

The state colleges average 13.4 assignable square feet per student enrolled for physical education purposes. This ranges from 7.3 square feet at Stevens Point to 20 square feet at Oshkosh. The physical education area represents about 13 percent of the total assignable area.

As was indicated in the 1956 study only Oshkosh and Eau Claire in the state college group have new physical education and health buildings completed. Currently, either under construction or authorized, are new facilities at River Falls, Stevens Point and Platteville. The first two mentioned are expected to be ready for occupancy by the Fall of 1960. The date of completion of the Platteville facility has been estimated as the Fall of 1961. The long-range plan includes similar facilities for Stout, Whitewater, La Crosse and Superior.

The University of Wisconsin, Madison, has 4.2 assignable square feet per student enrolled. The University of Wisconsin-Milwaukee has 6.5 square feet per

student. Area devoted to physical education at the University of Wisconsin is approximately 3.5 percent of the total assignable space. This excludes those areas chargeable to inter-collegiate athletics.

It necessarily holds true that the smaller the enrollment at an institution, the larger the square foot per student will be.

The facilities provided for physical education at the various institutions can be found on Chart 16. All of the schools with the exception of Eau Claire, Platteville, Superior and the Wisconsin Institute of Technology have swimming pools. The facilities most frequently provided are basketball, volleyball, badminton and gymnastics.

CHART 15

SUMMARY OF PHYSICAL EDUCATION AREAS
AT WISCONSIN STATE COLLEGES AND THE UNIVERSITY OF WISCONSIN
Fall, 1958

	Breakdown of Area For Various Functions													
	Assignable Sq. Ft.	Sq. Ft. Per Student	For Enrolled Phy. Ed.	Playing Floors		Seating Area		Locker Rooms			Other Area Sq. Ft.			
				Sq. Ft.	Type	Sq. Ft.	No of Seats	Sq. Ft.	No. Of Seats	Sq. Ft.		No of Lockers	Sq. Ft.	No. of Lockers
State Colleges														
Eau Claire 2	11.0	17,770		6,748	B	5760	1430			880	104	740	54	3,642
La Crosse	19.2	33,980		5,400	W	1218	550	2460	325	3084	759	1798	511	14,242
				5,778	M									
Oshkosh 2	20.1	37,615		3,080	W	5076	2000			3052	397	2800	369	15,807
				7,800	M									
Platteville	10.2	13,069		2,188	W	588	360	1700	395	1046	146	360	94	3,646
				3,543	M									
River Falls	13.3	17,081		2,747	W	1185	300	1626	250	2310	360	2165	190	3,792
				3,256	M					600		1490	218	4,885
Stevens Point	7.3	11,099		3,900	B					1220	265	758	234	9,039
Stout 3	18.2	23,063		8,632	B									
				3,414	B									
Superior 4	11.6	13,502		3,237	B					1251	255	1343	74	1,425
				6,100	B									
Whitewater	10.4	16,251		2,183	W	2378	700	1661	500	1012	200	1340	200	5,181
				5,500	B	folding seats	360	1710	175					
State College Total:	13.4	183,430												
University:														
Madison	4.2	69,456		11,138	3W			1095	125	5315	2414	7388	1081	20,245
				24,275	2M									
Milwaukee	6.5	33,909		4,500	W					1777	259 ⁵	2693		4,259
				8,500	M									
University Total:	4.8	103,365												

Footnotes for Chart 15

1. Main playing floor area regardless of split function use. W-Women, M-Men, B-Both men and women.
2. Seating area above student capacity charged to auxiliary enterprise.
3. 8,632 4th floor Bowman Hall - use should be discontinued. 11.4 square feet per student enrolled without this room.
4. Shows total playing floor - 1559 square feet chargeable to Laboratory School, 2334 square feet chargeable to auxiliary enterprises.
5. In addition, 1304 baskets are provided.

CHART 16

FACILITIES PROVIDED FOR PHYSICAL EDUCATION AT WISCONSIN STATE COLLEGES AND THE UNIVERSITY OF WISCONSIN Fall, 1958

Institutions	Swimming	Wrestling & Boxing	Track	Basketball	Tennis	Indoor Baseball	Baseball	Volleyball	Badminton	Gymnastics	Jumping Pit	Fencing	Bowling	Handball Cts.
<u>State Colleges:</u>														
Eau Claire		X	X	X	X	X		X	X	X				
La Crosse	X			X	X			X	X	X				
Oshkosh	X	X		X	X		X	X	X	X				
Platteville				X				X	X	X				
River Falls	X	X	X	X	X		X	X	X	X		X		
Stevens Point	X	X	X	X		X	X	X	X	X	X		X	
Stout	X	X	X	X	X	X	X	X	X	X	X		X	
Superior		X	X	X	X		X	X	X	X				
Whitewater	X		X	X	X	X		X	X	X				
<u>University:</u>														
Madison	X	X	X	X	X	X	X	X	X	X		X	X	X
Milwaukee	X	X	X	X	X			X	X	X	X			X

LABORATORY SCHOOLS

For the purpose of this study, Laboratory Schools are defined as: All areas assigned to the laboratory school function. Excluded are areas used for collegiate instruction, such as college classrooms and offices.

The purpose of the laboratory school is to serve the needs of the collegiate teacher education program in attainment of their specific objectives. At the state colleges considerable emphasis is placed on the teacher education program and 13 percent of the total assignable area is devoted to this function. The University at Madison used only 1 percent of its total assignable area while the Milwaukee campus devotes 12 percent to this function.

Eight of the State Colleges have laboratory schools. Stout and the Wisconsin Institute of Technology ¹ do not have such a facility. However, Stout uses 5 percent of its assignable collegiate area for laboratory school purposes.

All the state colleges have elementary school programs with the exception of Stout and Whitewater. These two institutions have secondary school programs. The University at Madison has a laboratory school serving grades 7-12. In addition, the Madison campus has a nursery school facility. The University at Milwaukee has a laboratory school for its elementary teacher education program.

At the state colleges or the University, no new laboratory schools were built from the Fall, 1956, to the Fall, 1958. The relatively small increase is due to the refinement of definitions and completion of remodeling activities.

¹ Merged with Platteville, April, 1959.

CHART 17

LABORATORY SCHOOL AREA AT WISCONSIN STATE COLLEGES AND THE UNIVERSITY OF WISCONSIN Fall, 1958

Institutions	Type Of Lab School	Assignable Square Feet Devoted To Lab School	Percent of Total Assign Sq. Ft. Devoted to Lab School	Offices Average Sq Ft Per F. T. E. Staff	Volumes in Library
<u>State Colleges:</u>					
Eau Claire	K-8	15,588	10	93.6	7,000
La Crosse	K-9	27,184	16	195.0	7,200
Oshkosh	K-9	35,424	19	213.8	7,107
Platteville	K-8	27,461	18	161.4	5,000
River Falls	K-8	12,811	10	195.0	5,072
Stevens Point	K-8	29,774	19	187.6	7,227
Stout ¹		9,523	5		
Superior	K-9	16,438	14	170.7	7,032
Whitewater	K-12	19,742	15	96.1	8,147
Wisc. Inst. Tech.					
<u>State College Total:</u>		184,422	13	152.1	
<u>University:</u>					
Madison - Nursery	7-12	38,329	1	108.7	9,407
Milwaukee	Elem	37,569	12	183.7	10,000
<u>University Totals:</u>		75,898	3	115.2	

1. Stout has no laboratory school but instructs Menomonie High School students in college laboratories for student teaching purposes. These figures excluded from State College Total.

CHART 17-A

ASSIGNABLE SQUARE FEET OF LABORATORY SCHOOL AREA
FOR VARIOUS FUNCTIONS AT WISCONSIN
STATE COLLEGES AND THE UNIVERSITY OF WISCONSIN
Fall, 1958

<u>Institutions</u>	<u>Classrooms</u>	<u>Laboratories</u>	<u>Offices</u>	<u>Storage</u>	<u>Library</u>	<u>Physical Education</u>	<u>Misc.</u>
<u>State Colleges</u>							
Eau Claire	6,400	2,219	1,123	195	864		4,787
La Crosse	11,771	2,700	1,167	27	1,855	5,817	3,847
Oshkosh	13,702	4,577	1,283	500	900	5,227	9,235
Platteville	12,111	1,864	2,098	1,953	822	3,990	4,623
River Falls	7,862	941	2,047	746	903		312
Stevens Point	13,612	3,605	2,627	1,934	2,238	4,858	900
Stout		9,523					
Superior	9,453	1,894	512	640	955	1,559	1,425
Whitewater	7,837	4,887	1,797		821	672	3,678
<u>State College Total:</u>	83,152	20,881	12,654	5,995	9,358	22,123	30,259
<u>University</u>							
Madison	8,643	12,169	3,413	1,406	2,136	8,333	2,229
Milwaukee	16,228	8,023	551	2,304	1,808		8,655
<u>University Total:</u>	24,871	20,192	3,964	3,710	3,944	8,333	10,884

AUXILIARY ENTERPRISE

This area is defined as: All areas devoted to revenue-producing operations such as inter-collegiate athletics, student unions, cafeterias, stores, clothing and book locker rooms, student and faculty lounges and student organization rooms.

The auxiliary enterprise areas vary considerably at the different institutions of higher education in Wisconsin. The average square feet devoted to this function in the state colleges was 13,055 square feet. With the addition of the student unions opened in the Fall, 1959, this figure will increase. Since this study is based on the Fall, 1958, the nine student unions at the state colleges were not included. The student unions at the University of Wisconsin, Madison and Milwaukee campuses are included in this study.

Auxiliary enterprise area at the state colleges averages 9.5 square feet per student enrolled. The University, which includes the student unions and has the largest inter-collegiate athletic facilities of all the institutions, averages 19.6 square feet per student enrolled. A breakdown of the square feet devoted to the various functions may be found on Chart 18-A. Cafeterias, lounges, and inter-collegiate athletics account for approximately 60 percent of the auxiliary enterprise area.

Offices used for this function show an all-institutional average of approximately 154.7 square feet per full-time equivalent occupant.

CHART 18

AUXILIARY ENTERPRISE AREAS AT WISCONSIN STATE COLLEGES AND
THE UNIVERSITY OF WISCONSIN
Fall, 1958

<u>Institutions</u>	<u>Square Feet Per Student Enrolled</u>	<u>Assignable Square Feet</u>	<u>Square Feet Per F. T. E. Staff For Offices</u>
<u>State Colleges:</u>			
Eau Claire	14.1	22,695	296.7
La Crosse	8.8	15,516	
Oshkosh	9.2	17,174	
Platteville	5.9	7,562	93.0
River Falls	9.4	12,119	96.0
Stevens Point	4.4	6,636	
Stout	11.7	14,844	
Superior	12.9	15,063	
Whitewater	9.9	15,487	
Wisc. Inst. Tech.	10.4	3,454	
<u>State College Total:</u>	9.5	130,550	141.4
<u>University:</u>			
Madison ¹	23.1	381,180	175.8
Milwaukee ¹	8.5	44,183	77.4
<u>University Total:</u>	19.6	425,363	155.4

¹ Includes their student unions. The state colleges had unions under or near end of construction in Fall, 1958, but were not occupied until later.

CHART 18-A

ASSIGNABLE SQUARE FEET OF AUXILIARY ENTERPRISE AREA DEVOTED TO VARIOUS FUNCTIONS AT WISCONSIN STATE COLLEGES AND UNIVERSITY OF WISCONSIN Fall, 1958

<u>Institutions</u>	<u>Office</u>	<u>Cafe- teria</u>	<u>Stores & Text Lib</u>	<u>Student Activities</u>	<u>Lounges</u>	<u>Inter Col Ath</u>	<u>Health</u>	<u>Misc.</u>
<u>State Colleges:</u>								
Eau Claire	445	6,283	1,232	5,533	1,811	6,870	521	
La Crosse		5,529	3,393	1,619	2,687	1,790		498
Oshkosh			1,731		8,049	4,958	1,680	756
Platteville	186	4,592	227	567	710		1,280	
River Falls	288	3,862	1,969	1,842	3,935			223
Stevens Point			2,484	655	2,300	493	704	
Stout			2,399	5,492	1,512	3,270	323	1,848
Superior		95	2,588	227	2,547	4,627	581	4,398
Whitewater		2,863	2,558	826	4,779	1,086	460	2,915
Wis. Inst. Tech.			80	1,537		679		1,158
<u>State College Total:</u>	919	23,224	18,661	18,298	28,330	23,773	5,549	11,796
<u>University:</u>								
Madison	16,699	33,067	4,404	43,915	16,049	206,276	¹	60,770 ₂
Milwaukee	1,916	12,152	3,579	2,439	9,229	5,699	1,199	7,970
<u>University Total:</u>	18,615	45,219	7,983	46,354	25,278	211,975	1,199	51,091

1. Student health facilities are available through the medical school which is not included in this study.
2. The student union at Madison includes an auditorium and little theater, browsing library, and 10 bedrooms to accommodate visiting personnel. This represents 22,299 square feet or 5.6 percent of the total auxiliary enterprise area.

PHYSICAL PLANT

For the purpose of this study physical plant area is defined as: Areas used for plant maintenance such as carpenter shops, electrical shops, maintenance storerooms, and boiler rooms in the main heating plant. This does not include mechanical equipment rooms or janitor's closets, as these are non-assignable areas. This area represents the space devoted to the total plant maintenance and not individual buildings.

The cubage of all of the buildings served has been related to the square foot assigned to physical plant classification. This relationship will vary from one institution to another depending on how much area is used for plant maintenance.

For example, if an institution such as the University of Wisconsin, Madison, maintains its own carpenter, paint, electrical shops, etc., the physical plant area will necessarily be greater than an institution which hires this work done by an outside firm.

In addition, an institution which purchases heating and has it piped in will also show less physical plant space than one which maintains its own heating facilities.

The state colleges average 393.8 cubic feet per assignable square foot. The University average is 592.6 cubic feet per assignable square foot.

CHART 19

PHYSICAL PLANT SPACE AT WISCONSIN STATE COLLEGES AND
THE UNIVERSITY OF WISCONSIN
Fall, 1958

<u>Institutions</u>	<u>Assignable Square Feet</u>	<u>Average Sq. Ft. Per F T E Staff for Office</u>	<u>Cubage Per Assign Sq Ft Devoted to Physical Plant</u>
<u>State Colleges:</u>			
Eau Claire	9,761	196	348.3
La Crosse	9,291	104	493.1
Oshkosh	10,791	224.5	447.9
Platteville ¹	7,025		523.6
River Falls	10,601	162	280.6
Stevens Point	7,000	120	511.0
Stout	11,466	145	357.3
Superior	8,347	262	330.1
Whitewater	8,092	112	413.5
Wis. Inst. Tech.	4,265	62	205.5
<u>State College Total:</u>	86,639	149.1	393.8
<u>University</u>			
Madison	110,005	132.5	571.8
Milwaukee	8,413	157.1	864.9
<u>University Total</u>	118,418	135.2	592.6

¹ No specific office assigned. An area amid the repair equipment is devoted to a chair and desk. This is approximately 10 square feet used by one staff member.

OTHER ACTIVE NON-INSTRUCTIONAL AREA

Other active non-instructional area is defined as: All active areas not specifically assignable to one of the previous categories. This area, shown on Chart 20 represents about .5 percent of the total assignable area at the state colleges and the University of Wisconsin.

SUMMATION OF ASSIGNABLE SQUARE FEET PER STUDENT ENROLLED FOR NON-INSTRUCTIONAL SPACE

Chart 21 indicates that the area devoted to various non-instructional functions varies considerably between the individual state colleges and the University of Wisconsin. The University of Wisconsin, Madison, has 31.4 square feet per student enrolled for research and 7.9 square feet for extension and public service. The state colleges have more square feet per student in the laboratory school and physical education functions, with 14.2 square feet per student enrolled and 13.4 square feet respectively.

The University auxiliary enterprise area shows 19.6 square feet per student enrolled. The large intercollegiate area and the student unions are included in the auxiliary enterprise category at the University.

The Physical Plant area averages approximately 6 square feet per student enrolled at all institutions with this figure varying according to the services given on campus at the different institutions.

Although the areas are expressed in terms of the square footage and related to the number of students enrolled, it should be borne in mind that there is no meaningful relationship between the size of certain of the non-instructional areas and the number of students enrolled. For example, the size of the extension and public service program is in no way related to the size of the student body.

The aims and educational objectives of each institution must be considered when determining the area which is required for the various non-instructional functions. All-institutional averages are of little value except for an over-all glimpse of Wisconsin's public institutions of higher education.

INACTIVE AREAS

Inactive areas in this study are defined as: All rooms that were not in use at the time of the space utilization study due to alterations or new construction. Also included are areas inactive because of condemnation.

Chart 22 indicates that the percent of the total assignable area in this classification at the state colleges is 2 percent and at the University 1 percent. Also indicated on the chart is the type of space and the reason for it being classified as inactive.

CHART 20

OTHER ACTIVE NON-INSTRUCTIONAL AREAS AT WISCONSIN STATE COLLEGES AND UNIVERSITY OF WISCONSIN Fall, 1958

<u>Institutions</u>	<u>Percent of Total Assignable Area</u>	<u>Assignable Square Feet Devoted to O.A.N.I.</u>
<u>State Colleges:</u>		
Eau Claire		882
La Crosse	.5	2,140
Oshkosh	.1	977
Platteville	.6	
River Falls		456
Stevens Point	.4	763
Stout	.4	759
Superior	.6	1,776
Whitewater	1.3	
Wisc. Inst. Tech		
<u>State College Total:</u>	.5	7,753
<u>University:</u>		
Madison	.5	13,989
Milwaukee		
<u>University Total:</u>	.5	13,989

CHART 21

ASSIGNABLE SQUARE FEET PER STUDENT ENROLLED FOR NON-INSTRUCTIONAL SPACE AT WISCONSIN STATE COLLEGES AND THE UNIVERSITY OF WISCONSIN Fall, 1958

<u>Institutions:</u>	<u>Research</u>	<u>Ext. And Pub. Ser.</u>	<u>Phy. Educ.</u>	<u>Lab School</u>	<u>Aux. Enter.</u>	<u>Phy. Plant</u>	<u>O.A.N.I.</u>
<u>State Colleges:</u>							
Eau Claire		1.3	11.0	9.7	14.1	6.0	
La Crosse			19.2	15.3	8.8	5.2	.5
Oshkosh		.7	20.1	18.9	9.2	5.8	1.1
Platteville			10.2	21.4	5.9	5.5	.8
River Falls	.3	.5	13.3	10.0	9.4	8.2	
Stevens Point	.2	4.0	7.3	20.0	4.4	4.6	.3
Stout	1.6		18.2	7.5	11.7	9.1	.6
Superior			11.6	14.1	12.9	7.2	.6
Whitewater			10.4	12.6	9.9	5.2	1.1
Wis. Inst. Tech.	.6				10.4	12.9	
<u>State College Average</u>	.6 ¹	1.6 ¹	13.4	14.2	9.5	6.3	.7 ¹
<u>University</u>							
Madison	31.4	7.9	4.2	2.3	23.1	6.7	.8
Milwaukee	.3	.6	6.5	7.2	8.5	1.6	
<u>University Average:</u>	23.9	6.2	4.8	3.5	19.6	5.5	.8 ¹
<u>All-Institutional Ave:</u>	14.8 ¹	5.1 ¹	8.1	7.6	15.7	5.8	.8 ¹

**

¹ Average square feet per student enrolled for those schools having the function.

CHART 22

INACTIVE AREAS AT THE WISCONSIN STATE COLLEGES ¹ AND THE UNIVERSITY OF WISCONSIN FALL, 1958

<u>Institutions:</u>	<u>Percent of Total</u> ² <u>Assignable Area</u>	<u>Assignable Square Feet</u> <u>of Inactive Area</u>
<u>State Colleges:</u>		
Eau Claire	12	18,912 ³
La Crosse		
Oshkosh	2	4,206 ⁴
Platteville		
River Falls	2	3,023 ⁵
Stevens Point	*	510 ⁶
Stout	*	1,188 ⁷
Superior		
Whitewater		
Wis. Inst. Tech		
<u>State College Total:</u>	2	27,839
<u>University</u>		
Madison	1	14,634 ⁸
Milwaukee	*	756 ⁹
<u>University Total:</u>	1	15,390

¹ This includes only inactive areas in present building. It does not include new construction in progress.

² Less than .5 percent. * means less than .5 percent.

³ Physical Education moved to new building.

⁴ Locker and shower rooms vacated when new Physical Education building opened.

⁵ Third floor South Hall - inadequate fire protection. Basement North Hall - remodeling old Agricultural Laboratory to Chemistry.

⁶ Main Building - one classroom below standard, remodeling another.

⁷ New tea room now in dormitory. Old storage area unusable.

⁸ Primarily remodeling.

⁹ Teaching laboratory being remodeled.

NON-ASSIGNABLE FLOOR SPACE

For the purpose of this study non-assignable floor space is defined as:

All areas which cannot be assigned to a specific agency.

Circulatory Space. Included are corridors, lobbies, hallways, stairs and stairwells, elevators and vestibules. Waiting rooms which are walled off from the hallway and are used in conjunction with specific offices are included under office space. Waiting rooms which are a part of the corridor or vestibule are included in this category.

Rest Rooms. All public rest rooms are included. Faculty and student lounges are included in auxiliary enterprises category. Rest rooms used in conjunction with individual offices are included with the office space.

Custodial and Service Space. Included are janitorial closets, furnace and boiler rooms (except in main heating plant), pipe space areas, and mechanical equipment rooms. The central heating plant is classified as physical plant space and is not shown in this category.

Non-Usable Space. Included are such areas as attics and unfinished basements even though such space may sometimes be used for dead storage. Space which has been condemned and it is not expected that it will be returned to active use is included.

Chart 23 indicates that about 25 percent of the total net square feet at the state colleges and the University is devoted to circulatory, rest rooms, custodial and service, and non-usable space. Chart 23 shows that circulatory space is the largest classification. This accounts for about 69 percent of the non-assignable area at the State Colleges and 65 percent at the University.

CHART 23

NON-ASSIGNABLE FLOOR SPACE AT WISCONSIN STATE COLLEGES
AND THE UNIVERSITY OF WISCONSIN
Fall, 1958

Institutions	Non-Assignable Square Feet	Percent of N. A. S. Devoted to the Various Functions				% of Net Sq. Ft. devoted to Non-Assign.
		Circu- latory	Rest Rooms	Custodial & Service	Non- Usable	
<u>State Colleges</u>						
Eau Claire	48,130	78	7	12	3	24
La Crosse	93,399	50	7	12	31	35
Oshkosh	59,275	76	7	11	4	24
Platteville	55,662	77	6	12	5	26
River Falls	47,385	72	7	11	10	26
Stevens Point	40,548	77	8	1	14	21
Stout	39,495	79	11	10		17
Superior	45,589	62	6	11	21	28
Whitewater	31,516	76	11	13		19
Wis. Inst. Tech.	14,249	62	5	2	31	29
<u>State College Total:</u>	475,248	69	8	10	13	25
<u>University:</u>						
Madison	855,661	64	10	15	11	25
Milwaukee	114,435	74	10	14	2	26
<u>University Total:</u>	970,096	65	10	15	10	25

SUMMARY OF BUILDINGS

Included in this study are all buildings except: housing, farm buildings, medical buildings and hospitals, and agricultural experimental stations. Student unions at the University of Wisconsin were in operation in 1958 and are included in this study. At the state colleges the nine student unions were not opened until September, 1959.

Chart 24 shows the summary of the cube, gross, net, assignable and non-assignable areas of the total buildings at Wisconsin's Public Institutions of higher education.

Definitions:

1. Cubage: The cubic content (cube or cubage) of a building is the actual cubic space enclosed within the outer surfaces of the outside or enclosing walls and contained between the average outer surfaces of the roof and 6 inches below the finished surfaces of the lowest floors. The definition of cubage requires the cube of dormers, penthouses, vaults, pits, enclosed porches and other enclosed appendages to be included as a part of the cube of the building. It does not include the cube of courts or light shafts, open at the top, or the cube of outside steps, cornices, parapets, or open porches or loggias.
2. Gross Square Feet: The gross floor area of a building is the sum of the areas at each floor level included within the principal outside faces of exterior walls, neglecting minor architectural setbacks and projections. Included are all stories or areas which have

floor surfaces with clear standing head room (6' 6" minimum), regardless of their use. Excluded are all unroofed areas and unenclosed roofed spaces.

3. Net Square Feet: Square feet of floor area of all space in the interior of a building excluding structural elements such as walls and columns. This includes classrooms, laboratories, offices, etc., as well as such public spaces as corridors, toilet rooms, elevator spaces and stairways. Also included are mechanical equipment rooms, accessible pipe spaces, and floored areas in attics and basements (6' 6" headroom minimum). Generally this is any area which can be walked on.
4. Assignable Floor Space: The sum of the floor areas of the individual rooms assignable to the agencies housed in the building. Excluded are the floor areas devoted to activities such as the circulation of general traffic within the building, mechanical equipment rooms, accessible pipe spaces, janitorial closets, and public toilets. This figure also excludes the "floor area" of the building's structural elements (except as they exist to a negligible degree within the rooms).
5. Non-Assignable Floor Space. All areas which cannot be assigned to a specific agency. This includes circulatory space, rest rooms, custodial and service space and non-usable areas.

The data presented in this study are not entirely comparable to the data in the 1956 study. First, a few small areas are included which did not appear in the 1956 study. Second, refinements of definition have resulted in a more realistic

assignment of space to the various categories. For example, the miscellaneous category found in the 1956 study has virtually disappeared and the 635,537 square feet found in this category in 1956 has been distributed to the appropriate classifications in the 1958 study. In addition, Charts 24A-D list the specific total building changes which occurred in the reporting at each institution.

It is interesting to observe the relationship of the various areas to the gross square feet of a building. At the state colleges, 65 percent of the gross area is assignable and 86.5 percent is net. Sixty-two and two-tenths percent of the gross area at the University is assignable and 82.9 percent is net. The all-institutional average is 63.1 percent assignable and 84.1 percent net.

The summary of assignable square feet of area devoted to the various collegiate functions is found on charts 25 and 26. It should be noted that the all-institutional average square feet per student enrolled for active instructional space is 65.1 square feet. This is a decrease of 14 square feet per student since the 1956 study. The active non-instructional area averages 57.2 square feet per student enrolled for Wisconsin public institutions of higher education.

The assignable area represents 74 percent of the total net area of the buildings and the remaining 26 percent of the net square feet is devoted to non-assignable areas or inactive space. Charts 28-30 indicate the distribution of the various functional areas at each institution.

The needs at each institution vary according to their course offerings and objectives, whether they serve mainly undergraduates, graduate students or research personnel, and the adequacy of quality and size of their facilities for the students and fields which they serve. The percent of area which should be devoted to each function will be different for each institution, and each institution should be examined separately in order to determine the individual needs.

CHART 24

SUMMARY OF BUILDINGS AT WISCONSIN STATE COLLEGES
AND THE UNIVERSITY OF WISCONSIN
Fall, 1958

<u>Institutions</u>	<u>No. of Buildings</u>	<u>Cubage</u>	<u>Gross</u>	<u>Net</u>	<u>Total Assignable</u>	<u>Total Non-Assignable</u>
<u>State Colleges:</u>						
Eau Claire	12	3,399,739	228,600	205,448	157,318	48,130
La Crosse	7	4,581,018	295,275	264,113	170,714	93,399
Oshkosh	13	4,833,447	283,063	242,454	183,179	59,275
Platteville	9	3,678,377	241,586	211,534	155,872	55,662
River Falls	11	2,975,018	205,956	182,328	134,943	47,385
Stevens Point	6	3,576,787	213,148	193,586	153,038	40,548
Stout	8	4,097,017	260,828	228,956	189,461	39,495
Superior	7	2,755,032	184,291	161,659	119,898	45,589
Whitewater	5	3,346,039	228,021	164,206	132,690	31,516
Wis. Inst. Tech.	1	876,500	59,400	49,414	35,165	14,249
<u>State College Total:</u>	<u>79</u>	<u>34,118,974</u>	<u>2,200,168</u>	<u>1,903,698</u>	<u>1,432,278</u>	<u>475,248</u>
<u>University:</u>						
Madison	141	62,467,257	4,160,546	3,429,789	2,587,539	842,250
Milwaukee	15	7,276,157	511,948	447,702	330,105	118,785
<u>University Total:</u>	<u>156</u>	<u>69,743,414</u>	<u>4,672,494</u>	<u>3,877,491</u>	<u>2,917,644</u>	<u>961,035</u>
<u>Grand Total:</u>	<u>235</u>	<u>103,862,388</u>	<u>6,872,662</u>	<u>5,781,189</u>	<u>4,349,922</u>	<u>1,436,253</u>

1. Includes 3828 square feet in dorm used for instructional purposes.

2. Includes 1188 square feet rented from Milwaukee Vocational School for instructional purposes.

CHART 24-A

BUILDINGS ON CAMPUS BUT NOT INCLUDED IN THE 1956 STUDY
AT WISCONSIN STATE COLLEGES AND THE UNIVERSITY OF WISCONSIN
Fall, 1958

<u>Institutions</u>	<u>Cube</u>	<u>Gross</u>	<u>Net</u>	<u>Assignable</u>
<u>State Colleges:</u>				
La Crosse ¹				
Library	763,600	58,290	49,361	36,842
Oshkosh				
Stadium	26,796	3,828	3,307	3,163
Platteville				
Health Center	25,110	2,713	2,292	2,037
River Falls				
Coal Storage	18,576	2,064	1,584	1,584
Superior				
Stadium Team Rm.	10,322	983	855	708
Whitewater				
Cafeteria-Union	49,000	4,900	4,578	4,371
<u>University:</u>				
Madison				
Mem. Union	3,289,080	225,324	179,462	112,256
Milwaukee				
Student Union	227,924	19,339	18,116	13,766
Carpenter Shop	33,540	2,236	1,564	

¹ New Library only in partial use in Fall, 1956.

CHART 24-B

ADDITIONS, ACQUIRED, OR NEW BUILDINGS IN USE ¹
AT WISCONSIN STATE COLLEGES AND THE UNIVERSITY OF WISCONSIN
Fall, 1958

<u>Institution:</u>		<u>Cube</u>	<u>Gross</u>	<u>Net</u>	<u>Assignable</u>
<u>State Colleges</u>					
Eau Claire ²					
Greenhouse	N	6,081	691	640	640
<u>University</u> ³					
Birge Hall	R	819,594	64,200	56,106	37,693
820 Irving Pl	A	76,000	9,113	7,965	4,418
430 Lorch St	A	43,229	3,314	2,851	1,450
Pine Bluff Obser'y	N	47,803	3,981	3,151	1,975
421 Sterling Ct	N	50,000	4,546	3,804	1,462
Wisconsin Ctr	N	1,215,630	90,183	73,502	43,215

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1. N= New Buildings
A= Acquired
R= Addition to old buildings
 2. Director of State Colleges, Office
 3. Planning and Construction Office, University of Wisconsin, Madison.

CHART 24-C

RENTED SPACE ADDED FROM FALL, 1956, TO FALL, 1958¹
AT WISCONSIN STATE COLLEGES AND THE UNIVERSITY OF WISCONSIN
Fall, 1958

<u>Buildings</u>	<u>Cube</u>	<u>Gross</u>	<u>Net</u>	<u>Assignable</u>
<u>University:</u>				
Madison				
823 Univ Ave	31,000	3,080	2,484	1,744
2524 Univ Ave	64,860	4,989	4,499	4,086
2544 Univ Ave	71,532	4,615	3,630	3,205
1120 W. Johnson	95,000	5,644	4,575	2,386
Milwaukee				
Vocational School				1,188
Laboratory Space (teaching)				

1. Planning and Construction Office, University of Wisconsin, Madison.

CHART 24-D

BUILDINGS REMOVED FROM THE CAMPUSES FROM FALL, 1956, to FALL, 1958
AT WISCONSIN STATE COLLEGES AND THE UNIVERSITY OF WISCONSIN
Fall, 1958

<u>Building</u>	<u>Cube</u>	<u>Gross</u>	<u>Net</u>	<u>Assignable</u>
<u>State Colleges: 1</u>				
Stout Garage	1,820	182	160	160
<u>University: 2</u>				
Vet. Sci. Res.	168,629	14,972	13,895	12,546
Temporary #4	15,000	1,200	1,127	1,092

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1. Director of State College Office
 2. Planning and Construction Office, University of Wisconsin, Madison.

CHART 25

SUMMARY OF ASSIGNABLE SQUARE FEET OF ACTIVE INSTRUCTIONAL AREA
AT WISCONSIN STATE COLLEGES AND THE UNIVERSITY OF WISCONSIN
Fall, 1958

<u>Institutions</u>	<u>Classrooms</u>	<u>Teaching Labs</u>	<u>Offices</u>	<u>Libraries</u>	<u>Auditorium</u>	<u>Other Act Instr</u>	<u>Total</u>	<u>Sq. Ft. Per Student Enrolled</u>
<u>State Colleges:</u>								
Eau Claire	18,491	14,674	10,744	6,165	11,754	8,704	70,532	43.7
La Crosse	21,027	9,527	11,412	22,835	10,798	8,262	83,861	47.3
Oshkosh	27,373	17,146	11,728	8,408	2,002	7,930	74,587	39.8
Platteville	20,176	32,352	8,684	24,087	9,524	4,955	93,778	77.7
River Falls	12,757	21,690	11,391	19,668	9,145	3,732	78,383	70.0
Stevens Point	19,416	23,048	13,198	21,740	8,230	5,529	91,161	59.9
Stout	13,607	46,863	12,921	17,238	7,610	28,402	126,641	99.9
Superior	18,370	11,584	9,157	8,037	9,223	9,418	65,789	56.3
Whitewater	16,033	15,883	10,373	15,311	5,952	7,790	71,342	45.5
Wisc. Inst. Tech.	7,484	10,792	3,403	2,069		3,509	27,257	82.3
<u>State College Total:</u>	<u>174,734</u>	<u>203,559</u>	<u>103,011</u>	<u>145,558</u>	<u>74,238</u>	<u>88,231</u>	<u>789,331</u>	<u>57.7</u>
<u>University:</u>								
Madison	192,689 ¹	298,026 ¹	327,700	218,521	31,308	243,701	1,311,945	79.5
Milwaukee	56,773	39,081	39,086	35,698	5,268	24,719	200,625	38.6
<u>University Total:</u>	<u>249,462</u>	<u>337,107</u>	<u>366,786</u>	<u>254,219</u>	<u>36,576</u>	<u>268,420</u>	<u>1,512,570</u>	<u>69.8</u>
<u>Grand Total:</u>	<u>424,196</u>	<u>540,666</u>	<u>469,797</u>	<u>399,777</u>	<u>110,814</u>	<u>356,651</u>	<u>2,301,901</u>	<u>65.1</u>

¹ An additional 663 square feet of classroom space and 891 square feet of teaching laboratory space is included in these figures which was not reported at the time Part I was published.

CHART 26

SUMMARY OF ASSIGNABLE SQUARE FEET OF ACTIVE NON-INSTRUCTIONAL AREA AT
WISCONSIN STATE COLLEGES AND THE UNIVERSITY OF WISCONSIN
Fall, 1958

<u>Institution</u>	<u>Research</u>	<u>Ext. & P.S.</u>	<u>Phy. Ed.</u>	<u>Lab. School</u>	<u>Auxiliary Enterprise</u>	<u>Physical Plant</u>	<u>Other Act Non-Instr</u>	<u>Total</u>	<u>Sq. Ft. Per Stud Enrolled</u>
<u>State Colleges:</u>									
Eau Claire		2,060	17,770	15,588	22,695	9,761		67,874	42.1
Ia Crosse			33,980	27,184	15,516	9,291	882	86,853	49.0
Oshkosh		1,242	37,615	35,424	17,174	10,791	2,140	104,386	55.7
Platteville			13,069	27,461	7,562	7,025	977	56,094	43.7
River Falls	345	580	17,081	12,811	12,119	10,601		53,537	41.7
Stevens Point	322	6,080	11,099	29,774	6,636	7,000	456	61,367	40.3
Stout	1,973		23,063	9,523	14,844	11,466	763	61,632	48.6
Superior			13,502	16,438	15,063	8,347	759	54,109	46.3
Whitewater			16,251	19,742	15,487	8,092	1,776	61,348	39.2
Wis. Inst. Tech.	189				3,454	4,265		7,908	23.9
<u>State College Total:</u>	<u>2,829</u>	<u>9,962</u>	<u>183,430</u>	<u>193,945</u>	<u>130,550</u>	<u>86,639</u>	<u>7,753</u>	<u>615,108</u>	<u>44.9</u>
<u>University:</u>									
Madison	517,799	130,202	69,456	38,329	381,180	110,005	13,989	1,260,960	76.5
Milwaukee	1,350	3,291	33,909	37,569	44,183	8,413		128,724	24.8
<u>University Total:</u>	<u>519,158</u>	<u>133,493</u>	<u>103,365</u>	<u>75,898</u>	<u>425,363</u>	<u>118,418</u>	<u>13,989</u>	<u>1,389,684</u>	<u>64.1</u>
<u>Grand Total:</u>	<u>521,987</u>	<u>143,455</u>	<u>286,795</u>	<u>269,843</u>	<u>555,913</u>	<u>205,057</u>	<u>21,742</u>	<u>2,004,792</u>	<u>56.7</u>

CHART 27

SUMMARY OF NON-ASSIGNABLE SQUARE FEET AND INACTIVE AREAS AT
WISCONSIN STATE COLLEGES AND THE UNIVERSITY OF WISCONSIN
Fall, 1958

<u>Institution</u>	<u>Non-Assignable Areas</u>					<u>Inactive Areas</u>
	<u>Circulatory</u>	<u>Rest Rooms</u>	<u>Custodial</u>	<u>Non-Usable</u>	<u>Total</u>	
<u>State Colleges:</u>						
Eau Claire	37,513	3,561	5,712	1,344	48,130	18,912
La Crosse	47,166	5,843	11,276	29,114	93,399	
Oshkosh	45,101	5,334	6,376	2,464	59,275	4,206
Platteville	42,639	3,532	6,668	2,823	55,662	
River Falls	33,995	3,442	5,368	4,580	47,385	3,023
Stevens Point	31,040	3,228	4,75	5,805	40,548	510
Stout	31,285	4,350	3,860		39,495	1,188
Superior	28,345	2,668	5,240	9,336	45,589	
Whitewater	23,831	3,513	4,172		31,516	
Wisc. Inst. Tech.	8,830	760	274	4,385	14,249	
<u>State College Total:</u>	329,745	36,231	49,421	59,851	475,248	27,839
<u>University:</u>						
Madison	537,551	82,426	124,924	97,349	842,250	14,634
Milwaukee	88,259	12,042	16,311	2,173	118,785	756
<u>University Total:</u>	625,810	94,468	141,235	99,522	961,035	15,390
<u>Grand Total:</u>	955,555	130,699	190,656	159,373	1,436,283	43,229

CHART 28

THE PERCENTAGE DISTRIBUTION OF ASSIGNABLE AND NON-ASSIGNABLE AREAS
AT WISCONSIN STATE COLLEGES AND THE UNIVERSITY OF WISCONSIN
Fall, 1958

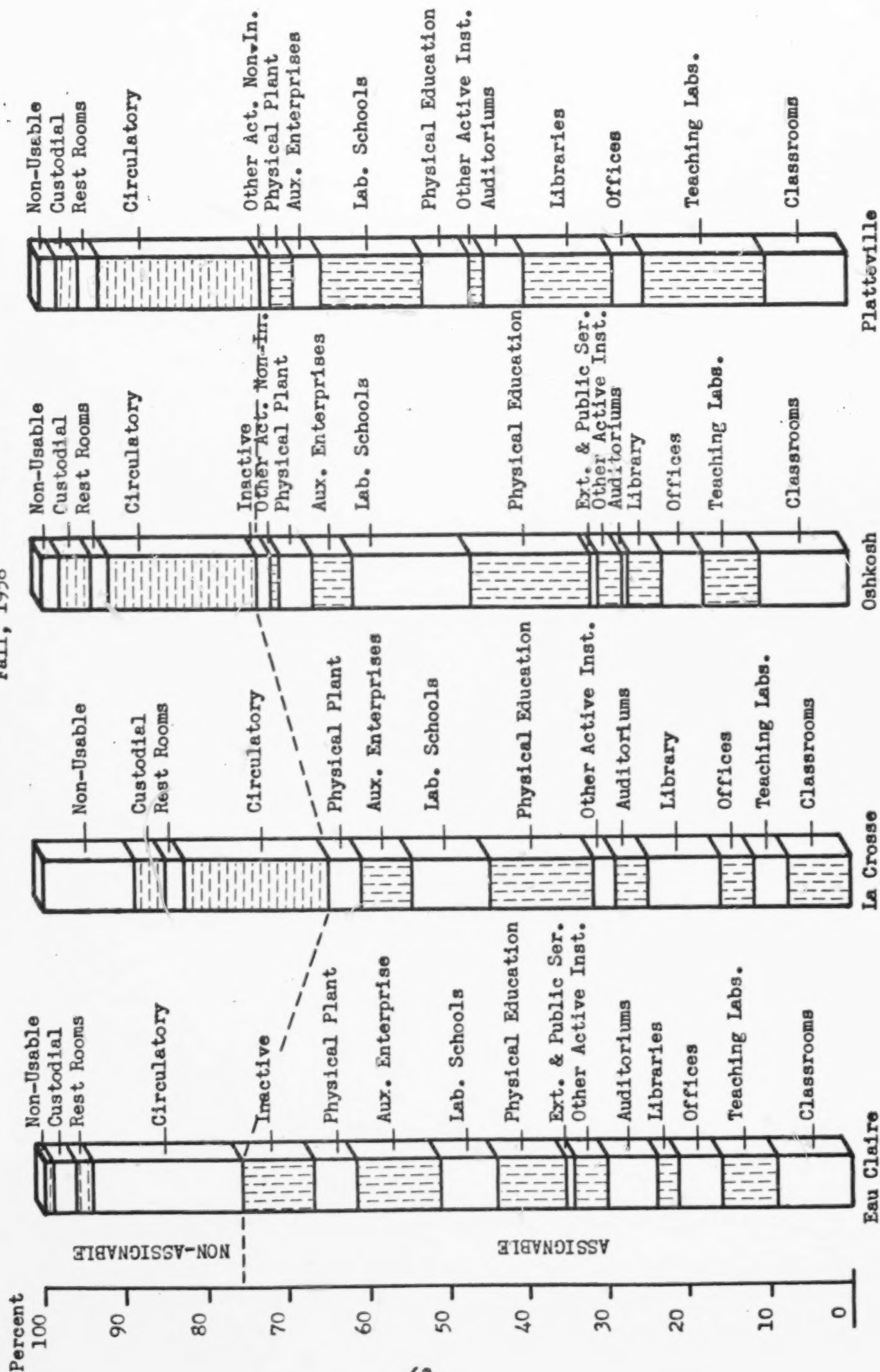
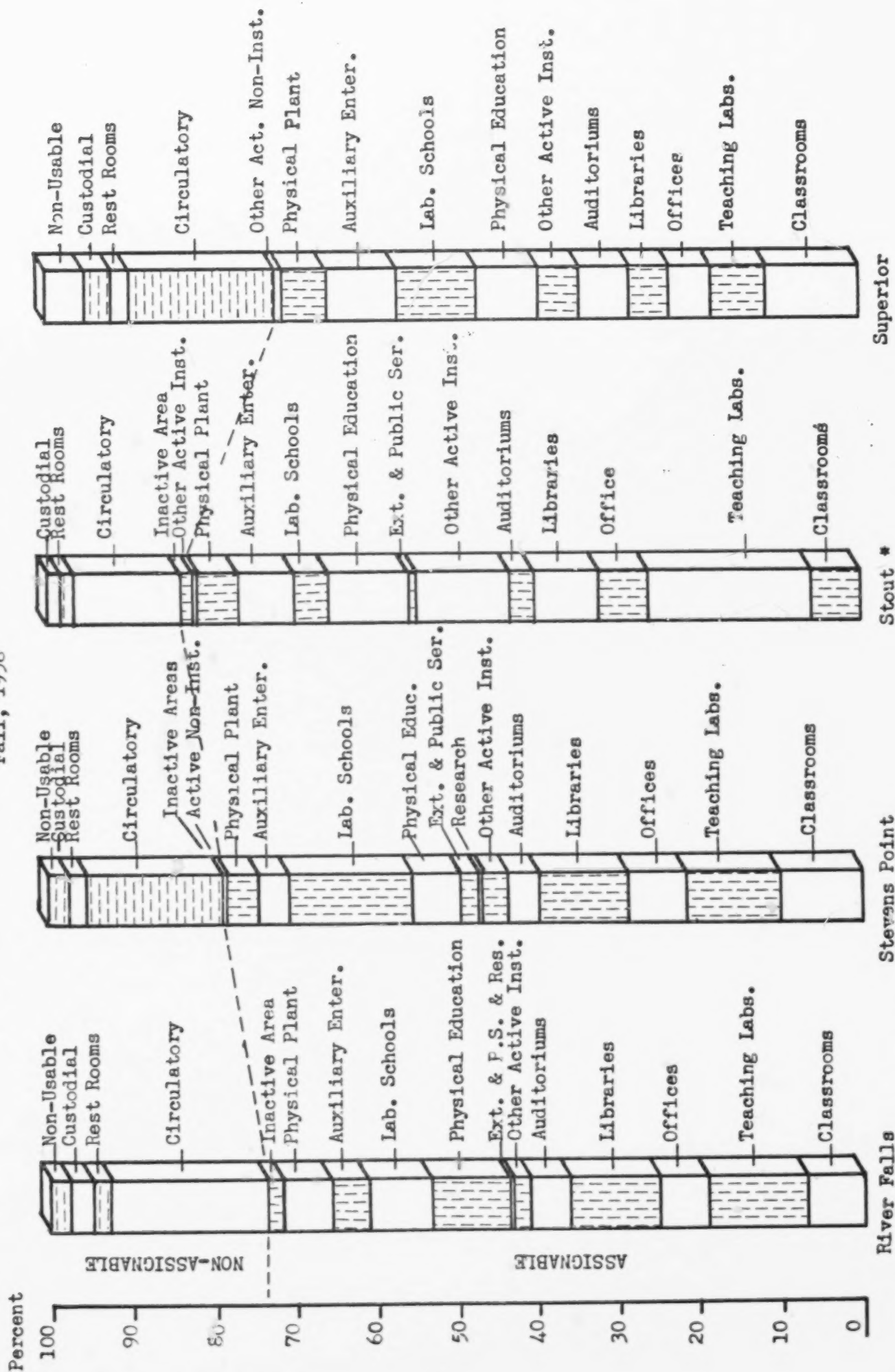


CHART 29

THE PERCENTAGE DISTRIBUTION OF ASSIGNABLE AND NON-ASSIGNABLE AREAS
AT WISCONSIN STATE COLLEGES AND THE UNIVERSITY OF WISCONSIN
Fall, 1958



* Stout uses collegiate space for laboratory school purposes but has no laboratory school.

CHART 30

THE PERCENTAGE DISTRIBUTION OF ASSIGNABLE AND NON-ASSIGNABLE AREAS
AT WISCONSIN STATE COLLEGES AND THE UNIVERSITY OF WISCONSIN
Fall, 1958

